→ Academic Annual Report

2011/2012

Programs, by School

School of Business & Applied Arts
3D Computer Graphics (A)
American Sign Language -
    English Interpretation (J)
Applied Accounting (C)
Aviation Management (D)
Business Administration (D)
Business Administration Integrated (D)
Business Information Technology (D)
Commerce Industry Sales & Marketing (C)
Computer Analyst/Programmer (Co) (D) (L)
Creative Communications (D)
Culinary Arts (Co) (D) (L)
Deaf Literacy
Deaf Studies (C)
Digital Media Design (D) (L)
Graphic Design (D)
Graphic Design - Advanced (A)
Health Information Management (D)
Hospitality & Tourism Management
    (Co) (D) (L)
Hotel & Restaurant Management
    (Co) (D) (L)
Information Systems Technology
    (Co) (D) (L)
International Business (A)
Introduction to Business Information
    Technology (C)
Library and Information Technology (D)
Professional Baking & Patisserie (Co) (C) (L)
Technical Communication (Co) (D)
Tourism Management (Co) (D) (L)

**School of Construction &
Engineering Technologies**
Architectural/Engineering Technology
    (Co) (D) (L)
Building Design CAD Technology (Co) (D)
Cabinetry and Woodworking -
    Certificate (C)
Cabinetry and Woodworking
    Technology (D)
Carpentry (C)
Civil Engineering Technology (Co) (L)
Construction Management (Degree)
Electrical (C)
Electrical Engineering Technology (D)
Electronic and Network Technology (C)
Electronic Engineering Technology (D)
Electrical/Electronic Engineering
    Technology Integrated (D)
Environmental Protection Technology
    (Co) (D) (L)
Geographic Information Systems (GIS)
    Technology (A)
Geomatics Technology (Co) (D) (L)

Greenspace Management (Co) (D)
Instrumentation Engineering Technology (D)
Municipal Engineering Technology
    (Co) (D) (L)
Network Technology (CCNA) Certificate (C)
Network Technology (CCNP) Certificate (C)
Network Technology (CCNP) Diploma (D)
Plumbing (C)
Refrigeration and Air Conditioning
    Technician (C)
Structural Engineering Technology
    (Co) (D) (L)
Wood Products Manufacturing Technology
    - Diploma (Co) (D)

**School of Continuing & Distance
Education (Continuing Studies)**
Administrative Assistant (C)
Applied Counselling (C)
Educational Assistant
Health Unit Clerk (C)
Legal Administrative Assistant (C)
Medical Device Reprocessing Technician (C)
Occupational Health & Safety (C)
Power Engineering - 5th Class (C)
Professional Photography (C)
Railway Conductor (C)
Recreation Facilitator for Older Adults (C)
Residential Decorating Program (C)

**School of Health Sciences &
Community Services**
Animal Health Technology (D)
Chemical and Biosciences Technology
    (Co) (D)
Child and Youth Care (D)
Dental Assisting - Level II (C)
Diploma Nursing (Accelerated) (D)
Disability and Community Support (D)
Early Childhood Education (D)
Early Childhood Education - Workplace (D)
Health Care Aide (C)
Joint Baccalaureate Nursing (J)
Magnetic Resonance Imaging (MRI) and
    Spectroscopy (A)
Medical Laboratory Sciences (D)
Medical Radiologic Technology (D)
Paramedicine - Primary Care Paramedic (C)
Pharmaceutical Manufacturing (C)
Quality Assurance/Quality Control (QA/QC)
    in the Pharmaceutical Industry (A)
Radiation Therapy
Registered Nursing (Degree)
Rehabilitation Assistant (C)

School of Indigenous Education
Aboriginal Language Specialist (D)
Aboriginal Self-Government
    Administration (D)
Academic Development Programs (C)
ACCESS Model Programs
Biindigen College Studies (C)
Community Development /Community
    Economic Development (D)
Computer Applications for Business (D)
Introduction to Business (C)
Introduction to Trades (C)

School of Learning Innovation
Business/Technology Teacher Education (J)
Business/Technology Teacher Education
    - After Degree (J)
Industrial Arts/Technology Teacher
    Education (J)
Industrial Arts/Technology Teacher
    Education - After Degree (J)
Technical Vocational Teacher Education (D)

**School of Transportation, Aviation
& Manufacturing**
Aerospace Manufacturing (C)
Aircraft Maintenance Engineer (D)
Automotive Service Education
Automotive Technician - Certificate (C)
Automotive Technician - Diploma (D)
Collision Refinishing (C)
Collision Repair and Refinishing (C)
Heavy Duty Equipment Mechanic (C)
Introduction to Aircraft Maintenance
    Engineer (C)
Manufacturing CAD (C)
Manufacturing Technician (D)
Mechanical Engineering Technology
    (Co) (D)
Outdoor Power Equipment Technician (C)
Power Engineering Technology (D)
Precision Metal Machining (C)
Technology Management (A)
Welding (C)

Language Training Centre
English as an Additional Language
    (EAL) Programs (C)

(A) Advanced Diploma program
(C) Certificate program (usually 10 months)
(Co) Co-operative Education programs (may be optional)
(Degree) Degree program

(D) Diploma program (usually 2 years or more)
(J) Joint program with the Univ. of Manitoba or Univ. of Winnipeg
(L) Laptop computer delivery

Contents

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Winnipeg Adult Learning Centre
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Fax: 204-697-4968

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Fax: 204-325-4947

The Year in Review 2011/2012

Colleges drive the economic and social development of the regions they serve, providing applied learning opportunities that lead students to rewarding careers, and producing a highly skilled workforce for local industry.

Within Manitoba, Red River College is by far the largest institute of applied learning. With three campuses in Winnipeg, and five regional campus operations, the impact of our academic and research activities are felt across the province.

To create growth in a knowledge economy, and support the provincial government's target of adding 75,000 new workers to the provincial labour force by 2020, Manitoba needs to increase its post-secondary participation rates, especially in the college sector. We also need to serve more students from rural, Aboriginal, new immigrant and international communities.

Academic Plan 2020 provides the vision that will allow Red River College to achieve those goals, and progress and accountability are reported annually in the Academic Annual Report.

The major achievements for each of our academic departments are outlined on the pages that follow, but here are a few major highlights from 2011-12:

- Full-time enrolment hit another record high in 2011-12, with 9,135 students registered in certificate, diploma, advanced diploma and degree programs. An additional 16,530 students were studying in part-time programs, and 3,408 students took apprenticeship training.

- The new RRC campus in Portage La Prairie was officially opened, at the site of the old Victoria School building. The facility gives the College greater visibility in Portage, strengthens its ties with the community, and grows enrolment and offers enhanced student services.

- Work continued in 2011-12 on the redevelopment of the historic Union Bank Tower into the Paterson GlobalFoods Institute — a new home for our hospitality and culinary arts programs, and the site of the College's first student residence. The facility is scheduled to open in January 2013.

- The Makoonsag Intergenerational Children's Centre opened on Selkirk Avenue, serving as the College's first demonstration childcare centre, and representing its commitment to providing community residents with increased access to programs promoting child and family supports. The 52-space centre for infants, toddlers and pre-school children was developed through a partnership between the Urban Circle Training Centre, Red River College, and the University of Manitoba's Inner-city Campus.

- A working prototype of an All-Electric Bus — developed by RRC, the Province of Manitoba, Mitsubishi Heavy Industries, New Flyer Industries and Manitoba Hydro — debuted in June 2012. Project partners were on hand to explain the technology behind a transit vehicle with zero emissions and no tail pipes. The event marked the beginning of the project's next phase, which includes on-road testing in Winnipeg over the next two years. RRC will make contributions through battery assembly, performance data analysis and the development of a charging station for the bus.

- Red River College is part of a coalition of 20 government and community agencies who are exploring options to redevelop the notorious Merchants Hotel on Selkirk Avenue. We've already closed down the hotel, and we're now working with the coalition partners and area residents to determine what kind of programming can be offered there that will increase training opportunities and help spur community development.

- A number of activities were held to reach out early to young learners whose backgrounds might not normally lead them to college or university. RRC participated in the award winning CareerTrek and College and University Bound programs with Manitoba Schools, and hosted several on-campus youth activities such as the Hands on Activity Week for Kids (H.A.W.K.), Girls Exploring Trades & Technology (GETT) Camps, Network and Electronic Kids Kamps, the Technology Exploration Camps (TEC@RRC), the Manitoba First Nations Science Fair and Skills Canada competitions.

- The College continued to expand its international presence, by signing agreements for new joint programs with several Chinese institutions, including Henan Business College, Shijiazhuang University of Economics, Qingdao Technical College and Zhejiang Water Conservancy and Hydropower College. RRC's long-standing partnership with Shenyang Institute of Engineering was expanded through the introduction of an award-winning project in which Power Engineering Technology lectures are delivered online to students in China.

- To enhance support programs for students, renovations were completed on the Aboriginal Student Centre. A stone wall, maple wood features and plenty of natural light help to bring earthy elements and the comforts of home to our students and all those who come to visit. Additionally, a dedicated space in the Princess Building of the Exchange District Campus is now home to a new Aboriginal Support Centre. This new Centre provides both staff and students with the opportunity to smudge, hold ceremonies and gather in a welcoming atmosphere allowing an increased opportunity to support students in their academic journey at the downtown campus.

- Red River College is developing a Campus Master Plan to direct future planning and growth relating to sustainability, campus life, learning and relationships with the community. The plan will consider all of RRC's current facilities, anticipated needs in upcoming years, and technology upgrades necessary to keep pace with industry requirements.

Red River College has a well-deserved reputation for delivering quality career-based education, being responsive to the needs of industry and the broader community, and managing growth in a responsible manner. We're a critical source of knowledge, research and community spirit in Manitoba, and our graduates truly are helping to grow our province to meet the economic and social needs of the future. •

Makoonsag Intergenerational Children's Centre opening (From left): Janet Jamieson, Chair of RRC's Community Services department; Eleanor Thompson, Urban Circle's Executive Director; RRC President Stephanie Forsyth; and Louise Gordon, Dean of RRC's School of Health Sciences and Community Services

College Profile

Going Places

Red River College graduates truly are going places; they possess the knowledge, flexibility and curiosity to contribute, learn and adapt in a changing economic, social and cultural environment.

Through more than 130 diploma, certificate, degree, and apprenticeship programs, RRC enables skilled, experienced and motivated graduates to succeed and achieve their dreams. The College strives to help learners find meaningful careers and provide a skilled and informed work-force for Manitoba by setting the standard
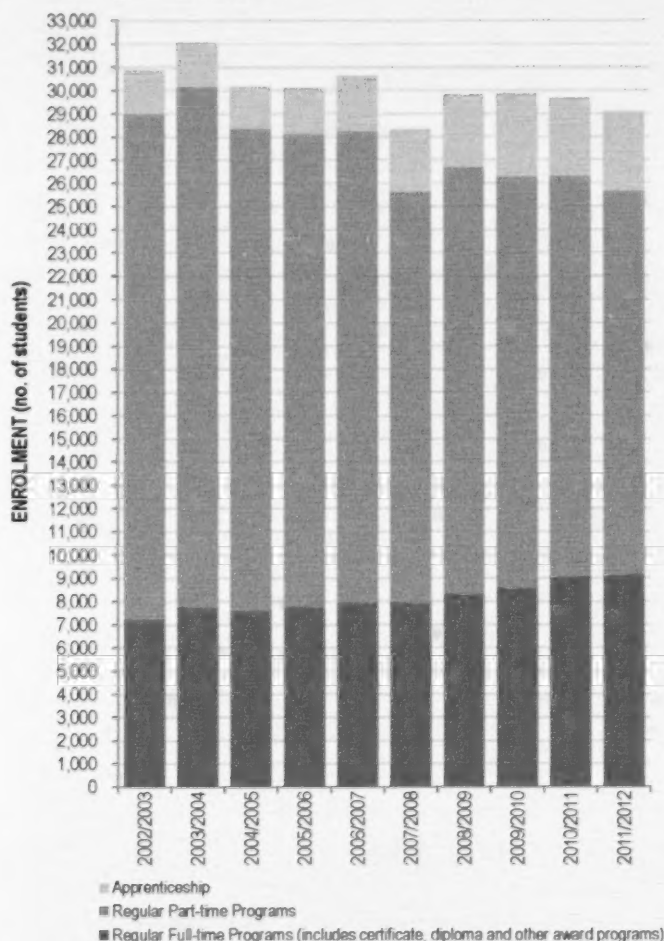
in applied post-secondary education and research programs and meeting the demand of the marketplace.

The College itself is going places by growing, changing, and adapting to meet the requirements of today's knowledge economy as well as the needs of the foundation economy. RRC is using technology to offer flexible programming to students wherever they may be and whenever they need to access it, updating and expanding its programs to remain relevant for learners and improving facilities to ensure a top rate educational experience.

Full-Time Program Growth

The College has experienced significant growth in its regular full-time programs, (certificate, diploma and other award programs). Since 1999/2000, enrolment in these programs has increased by 62 percent.
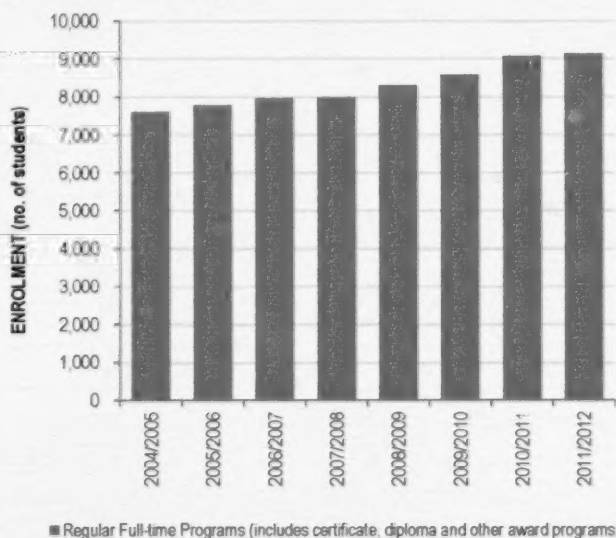
College Enrolment

- Apprenticeship
- Regular Part-time Programs
- Regular Full-time Programs (includes certificate, diploma and other award programs)

Number of Graduates, Certificate and Diploma Day Programs

Certificate   Diploma

Full-time Enrolment

- Regular Full-time Programs (includes certificate, diploma and other award programs)
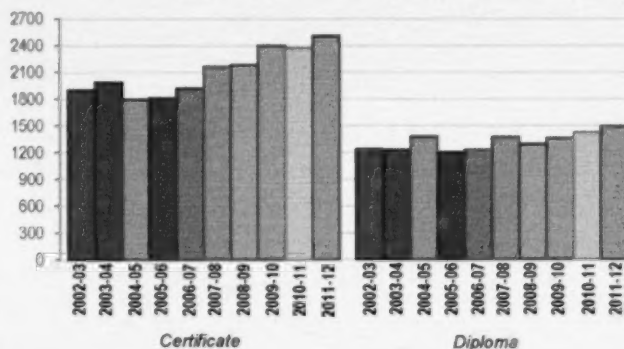
Vision and Mission

The College has a future-focused vision: Red River College is renowned for providing accessible, innovative, applied learning and research in an advanced environment, creating skilled graduates to drive the Manitoba economy.

The mission of RRC is to enable students to build a career, enhance quality of life, and contribute to Manitoba's economic and social prosperity through exceptional applied education and research.

The College's ties to the community are reinforced through a 12-member Board of Governors. The Board focuses on the vision and long-term strategic directions for the College.

Organization

Red River College is a multi-campus institution with major facilities in the Winnipeg Region and five regional campuses strategically located throughout the Province.

Student Location Prior to Entry to RRC, 2011/2012

Urban South 73%

Outside MB 3%

Urban North 1%

Rural North 6%

Rural South 18%

Note: Urban South includes the metropolitan Winnipeg area, Brandon, Portage la Prairie and Selkirk. Rural South includes all other areas in southern Manitoba. Urban North includes the northern urban areas of Dauphin, The Pas, Flin Flon and Thompson. Rural North includes all other areas in northern Manitoba.
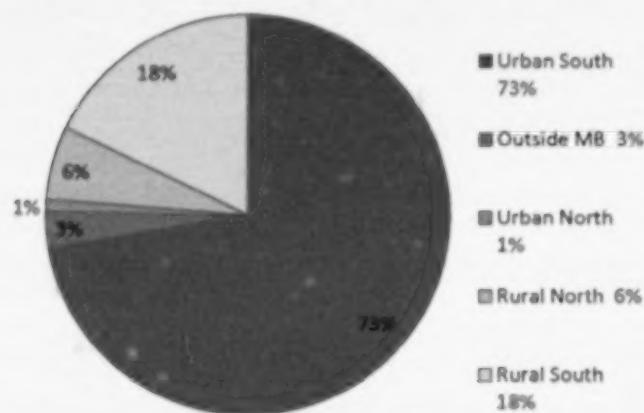
Programming

RRC offers a diversity of post-secondary credentials, including baccalaureate, joint baccalaureate, advanced diploma, diploma, certificate and preparatory programs in the fields of applied arts, applied sciences, business, community services, developmental education, health and technology. In addition, the College provides training for apprentices in 32 designated trades.

The College also offers a comprehensive array of courses for part-time learners in Winnipeg and across Manitoba through its Continuing Studies office and its Regional Campuses.

The College also responds to the specialized and customized education and training needs of business, industry, government and community organizations. The Contract Training unit of Continuing Studies provides centralized sales, service and administrative support to contract training initiatives of all departments and divisions. •

Demographics

In 2011/2012, the largest number of students enrolled in full-time programming fall into the 20 to 24 age group.

Students came to the College from across the province. Seventy-two percent of students are from the urban south. Excluding apprenticeship training, women comprised 51 percent of the full-time student population in 2011/2012.

As a comprehensive college, RRC serves a diverse population with a varied educational background.
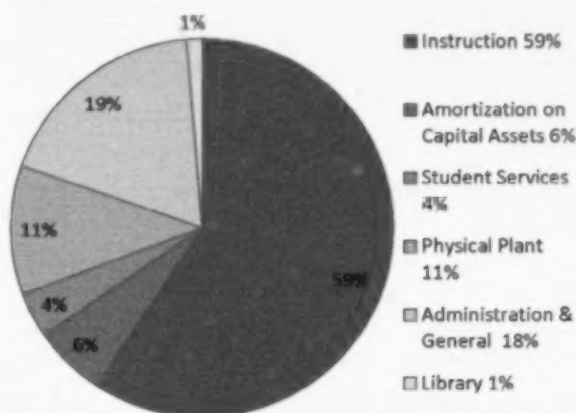

Resources

In 2011/2012, the total human resources complement of the College was approximately 1,360 full-time equivalent staff years.
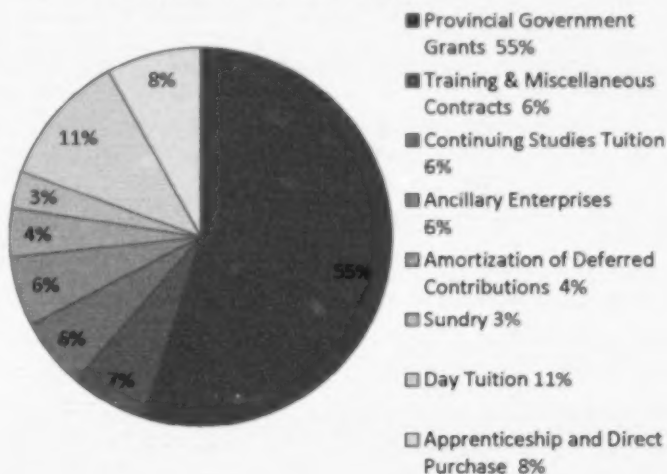
The College operates on a not-for-profit basis with an annual expenditure of approximately $160,000,000.

As a publicly funded institution, the College relies significantly on provincial government grant support, which comprised approximately 55 percent of its total revenue in 2011/2012. The College receives tax exempt status as a registered charity.

College Expenditures, 2011/2012

- ■ Instruction 59%
- ■ Amortization on Capital Assets 6%
- ■ Student Services 4%
- ▣ Physical Plant 11%
- ▣ Administration & General 18%
- ▢ Library 1%

College Revenue, 2011/2012

- ■ Provincial Government Grants 55%
- ■ Training & Miscellaneous Contracts 6%
- ■ Continuing Studies Tuition 6%
- ■ Ancillary Enterprises 6%
- ▣ Amortization of Deferred Contributions 4%
- ▣ Sundry 3%
- ▢ Day Tuition 11%
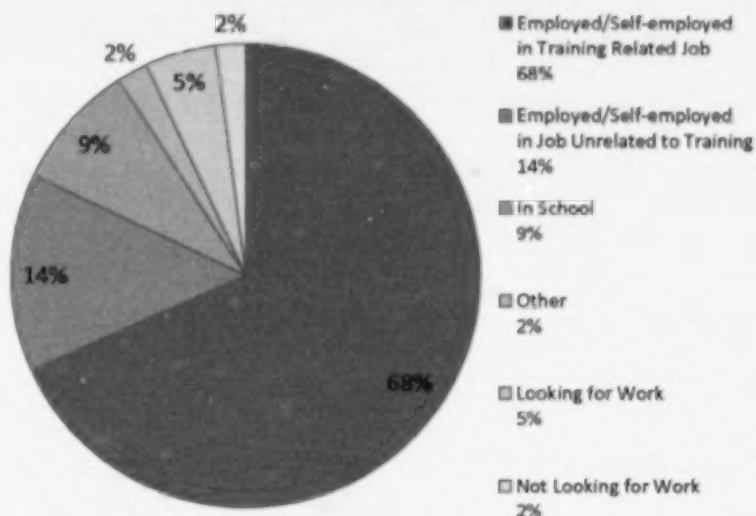- ▢ Apprenticeship and Direct Purchase 8%

Graduate Satisfaction & Employment

Red River College's 2011/2012 Satisfaction and Employment survey of 2010/2011 graduates shows that graduates continue to find jobs in Manitoba and express high levels of satisfaction with their education.
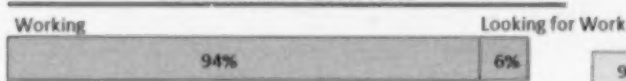
Of all full-time day program graduates who responded to the survey, 92 percent were employed or furthering their education.

Of those graduates who were in the workforce, seeking employment, 94 percent found jobs. Only 6 percent were looking for work. Moreover, of the responding employed graduates who reported an employer's address, 98 percent were in Manitoba. By far, most College graduates remain in Manitoba to contribute to the province's prosperity and to its social and cultural vitality.
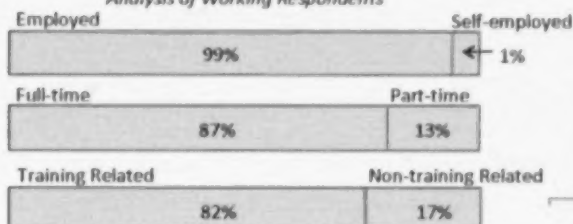
Current Status
(% of all respondents in the report)

- Employed/Self-employed in Training Related Job 68%
- Employed/Self-employed in Job Unrelated to Training 14%
- In School 9%
- Other 2%
- Looking for Work 5%
- Not Looking for Work 2%

Graduates in the Labour Force

Working 94% | Looking for Work 6%

Analysis of Working Respondents

Employed 99% | Self-employed 1%

Full-time 87% | Part-time 13%

Training Related 82% | Non-training Related 17%

(Undeclared category is not illustrated)

93% Satisfied with Education Received | 91% Recommend Program to Others | 88% Up-to-date Program | 93% Instructors Knowledgeable
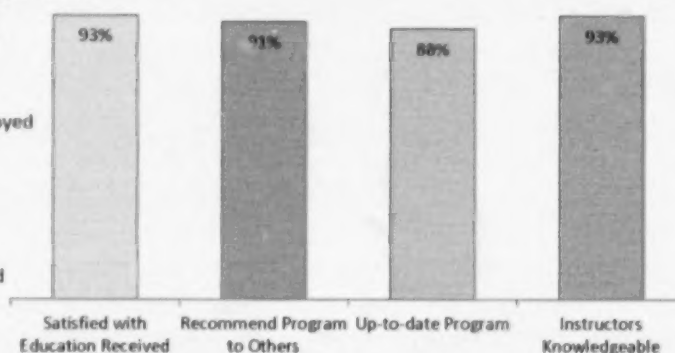
(All respondents included in chart calculations)

Eighty-two percent of employed/self-employed graduates reported that they were working in a field related to the education and training received. In addition, 87 percent of the employed/self-employed graduates reported that they were employed full-time.

Ninety-three percent of all respondents reported that they were very satisfied or satisfied with their education at Red River College and 91 percent said they would recommend their program to others.

Graduates also reported their annual salaries. There is variation in the level of achieved income by program with an average of $39,872, which was an increase of 3.0 percent over that reported by 2009/2010 graduates.

Top Ten Average Starting Salaries	
Technical Vocational Teacher Education (part-time)	$69,800.00
MRI and Spectroscopy	$67,085.13
Certificate in Adult Education	$65,605.88
Diploma Nursing (Accelerated)	$64,097.82
Technical Vocational Teacher Education	$63,333.33
Power Engineering Technology	$58,912.00
Industrial Arts/Technology Teacher Education	$58,800.00
Medical Radiologic Technology	$53,508.87
Structural Engineering Technology	$51,799.34
Medical Laboratory Sciences	$50,040.41

(Excludes programs with only one salary provided)

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Student Satisfaction

The annual Student Evaluation of Program (SEPS) report summarizes the attitudes and feelings of students towards their college experience in a graphical format. This graphical format allows for quick and easy insight into students' satisfaction with the program. The SEPS report takes the 44 questions on the student evaluation of program survey and factors them into eight dimensions of Program Quality, Orientation, Familiarization with College Policies, College Environment, Quality of Instruction, Program Resources, Facilities and College Services. These eight factors are reported on a simple bar chart, giving readers instant insight into the student's experience in the program.

Summary of Student Ratings of the College

Overall Score	3.19
Program Quality	3.25
Orientation	3.24
Policy Awareness	2.76
College Environment	3.37
Instruction	3.38
Program Resources	3.15
College Facilities	3.16
College Services	3.12
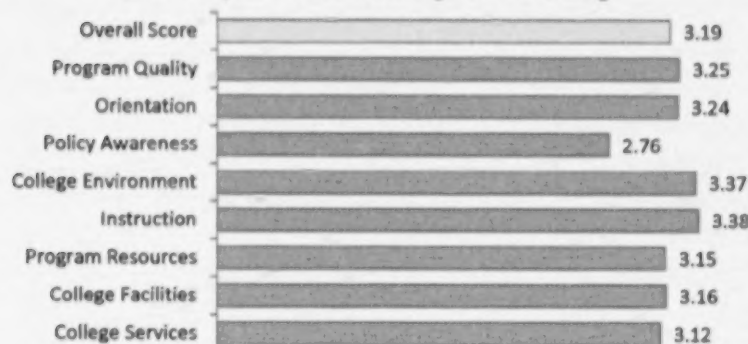
Note: Student ratings are presented in a four point scale from 1 to 4, with 1 indicating strong dissatisfaction and 4 indicating strong satisfaction.
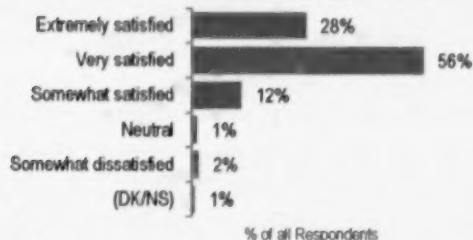
Each program's Summary of Student Ratings is published in the combined Graduate Satisfaction and Employment Report and Student Evaluation of Program Report and also on the College's website. Roll-up summaries are also available for each School and for the College as a whole.
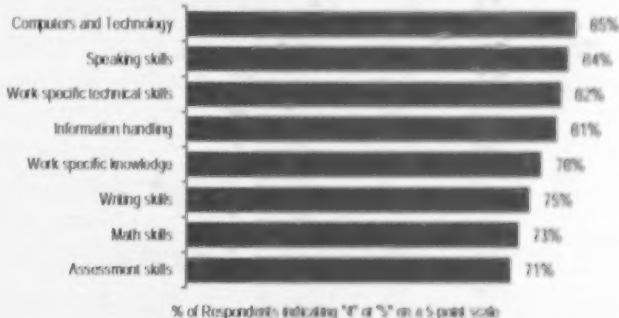
Employer Satisfaction

As its name might suggest, the Employer Satisfaction survey interviews employers of recent graduates for the three preceding years. In addition to measuring overall satisfaction, employers are asked to rate their satisfaction with graduates fundamental skills, personal management skills, and teamwork skills. Employers are asked to assess graduates along a total of 17 measures. The results for the entire college are reported every two years. By combining the results for the last three years, a more detailed picture can be presented at the program level.
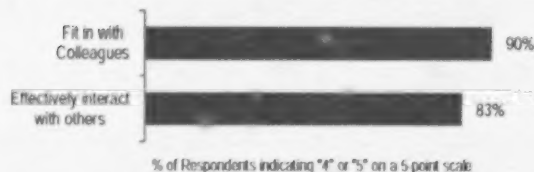
2011 Employer Satisfaction Survey

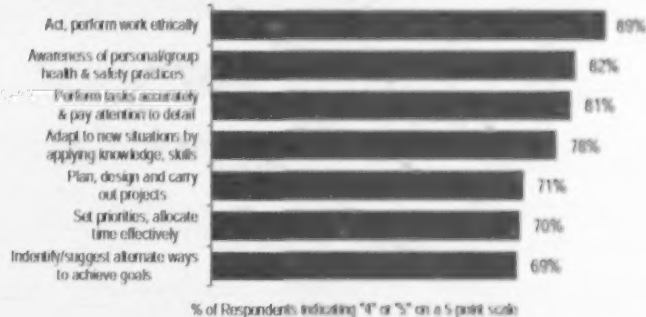### Satisfaction with Preparation of RRC Graduates for Work

Extremely satisfied	28%
Very satisfied	56%
Somewhat satisfied	12%
Neutral	1%
Somewhat dissatisfied	2%
(DK/NS)	1%

% of all Respondents

Employers' Satisfaction with Graduates' Fundamental Skills

Computers and Technology	85%
Speaking skills	84%
Work specific technical skills	82%
Information handling	81%
Work specific knowledge	78%
Writing skills	75%
Math skills	73%
Assessment skills	71%

% of Respondents indicating "4" or "5" on a 5-point scale

Employers' Satisfaction with Graduates' Teamwork Skills

Fit in with Colleagues	90%
Effectively interact with others	83%

% of Respondents indicating "4" or "5" on a 5-point scale

Employers' Satisfaction with Graduates' Personal Management Skills

Act, perform work ethically	89%
Awareness of personal/group health & safety practices	82%
Perform tasks accurately & pay attention to detail	81%
Adapt to new situations by applying knowledge, skills	78%
Plan, design and carry out projects	71%
Set priorities, allocate time effectively	70%
Identify/suggest alternate ways to achieve goals	69%

% of Respondents indicating "4" or "5" on a 5-point scale

Student Success

Student Support Services
Department Highlights

The Academic Success Centre (ASC) had a number of projects and initiatives including:

Program Innovation Fund (PIF) for "Wise Guys 2.0 Personalizing, Customizing, Connecting" - The ASC received Program Innovation Funding for a Tutor Blog entitled: Wise Guys (Extension/Re-innovation/3.0). Personalizing, Customizing, and Connecting. The PIF enabled Wise Guys to extend its reach, personalize its content and increase the dynamic and engaged component. The new blog site honors current student connections with tutors, personalizes the tutoring experience and creates a narrative within the ASC's online presence. In terms of practical usage, the blogs houses and organizes previously developed content i.e. curriculum-based worksheets and answer keys.

to create curriculum that fit their specific needs, in this case a week-long program of intensive foundational biology, chemistry, math and study skills. Med Lab differed from ASC's previous experience with AHT and technology and trades in that their student group was much smaller and more mature. This lead the program and the ASC to create a series of weekly pre-program Facilitated Study Groups that honed in on the identified specific content gaps. There was less of a need to include study skills and a structured environment, allowing the ASC to simultaneously create a personalized program while also benefitting from cost efficiencies found in this model's smaller size.

Academic Support Centre Staff Tutors offer one hour review sessions

Growth in Preparatory Programming - Of particular note this year is the continued increase in the design and delivery of preparatory math and science sessions for specific College programs. The success with the bi-annual Pre-employment Trades and Technology prep sessions has led the ASC to create new and innovative approaches when creating or assisting in the creation of prep programming, most notably in Animal Health Technology (AHT) and Medical Laboratory Sciences (Med Lab).

As with the trades and technology programs, the ASC invited students identified as "at risk" through Assessment Services to attend the new prep sessions. The ASC worked with AHT program representatives

It should be also noted that in addition to identifying at-risk students, Assessment Services (AS) assessment tools provided a partial needs assessment from which the ASC built the orientation sessions' curricula. It is a positive example of program innovation resulting from collaboration with college programs and within Student Support Services units.

English as an Additional Language (EAL) Tutoring Program - A limited launch of the EAL tutor program brought in a great deal of success with a student survey showing participants felt their writing skills improved following the EAL program and 100% of the respondents confirmed that they got better marks in their program as a result of their participation in the EAL program.

Wise Guys Videos - These on-line math videos review common math functions: finding common denominators, direct proportion, scientific notation, working with algebraic expressions, working with a calculator in Business Administration, and much more.

Wise Guys videos continue to be be loaded onto YouTube with over 400,000 video views to date.

Job Central - Student Employment Services launched Job Central this past year. Job Central is an enhanced and complimentary online resource for employers to post employment opportunities targeted at current students and alumni. Employers can post job opportunities on Job Central to find qualified candidates that meet their recruitment needs - whether filling full-time, part-time, contract or seasonal positions.

During 2011-12 the Student Support Services department provided direct service to thousands of students:

- The Academic Success Centre provided a combined total of 11,417 hours of tutorial support to 2164 students. Of this number 3,988 hours of individualized Peer Tutoring were provided to 674 students, 4,495 hours of individualized Staff Tutoring were provided to 206 students with disabilities, and 274 hours of individualized English as Additional Language (EAL) tutoring were provided to 90 students. As well, 92 hours of study skill workshops were provided to 841 students, 1612 hours of Facilitated Study Groups were offered to 642 students, and 782 hours of Supplemental Instruction were offered.

- Assessment Services provided testing for enrollment services to 2890 clients. Of those, 1787 people participated in mandatory entrance assessments, 862 received diagnostic assessments, and 241 were provided with contracted assessment services.

- Counselling & Accessibility Services provided service to 1503 students of which 1073 had diagnosed disabilities. In total, counsellors had 4160 appointments with students.

- Deaf & Hard of Hearing Services provided 10,173 hours of American Sign Language/English Interpretation to 11 Deaf students, and 4,471 hours of computerized note-taking support to 9 hard-of-hearing students.

- Accommodations & Assistive Technology provided service to 447 students with disabilities for test/exam accommodations and 3440 tests/exams were invigilated. 26 students with disabilities were provided with alternate format materials (enlarged print, audio or electronic format) and 32 students with disabilities received demonstrations and training in the use of assistive technology.

- Student Employment Services provided service to 2132 students and posted 5492 employment opportunities. 185 workshops and service presentations were provided on resume and cover letter writing, job search strategies, and interview skills. •

Recognition of Prior Learning (RPL)

Department Highlights

The RPL Committee, with representation from all schools and student service areas, completed the development of the new RPL Strategic and Operational Plan 2012-2017.

The RPL Annual Activity report was prepared for COPSE. During the 2010-2011 academic year, 612 learners completed 973 RPL course assessments in 65 College programs. As in past years, the learner success rate for proving prior learning for courses was high. In addition to these RPL assessments, over 1500 course credit transfers were awarded for previous formal learning.

The RPL Advisor, Lauren Waples provided information and advising for close to 1100 prospective and current students interested in accessing RPL processes. Ten monthly RPL orientations were offered on campus. Academic departments provided program-specific RPL advising and conducted assessments of prior learning for learners in full and part-time programs.

A variety of RPL Practitioner Certificate courses were delivered for advisors, assessors and facilitators who work in RPL or related fields across Canada and internationally. For example, the Train the Trainer: Portfolio course was delivered online to a group of employment counselors from Ontario.

The 10th annual RPL Foundation Summer Institute was held at the Notre Dame Campus with participants from RRC, Manitoba, New Brunswick, Nova Scotia, Alberta and Ontario. This course delivered both onsite and online continues to attract participants from across Canada and internationally, with over 675 completing the course to date.

Deb Blower, RPL Facilitator participated with the International Education department in the ACCC's 2nd Brazil - Canada Partnership Forum of Technical and Professional Education held in Montreal. Further opportunities for the sharing of RPL resources and delivery of additional RPL Practitioner courses were explored.

The RPL Services area, in partnership with the Manitoba Prior Learning Assessment Network (MPLAN) facilitated "RPL Symposium 2012 - Celebrating and Recognizing Learning". The symposium was live streamed and accessed by participants in Manitoba and across Canada.

Deb Blower, as Chair of the RPL Standards Working group for the Canadian Association for Prior Learning Assessment (CAPLA), delivered a presentation during the international webinar, "Canada- Australia Exchange on RPL Practitioner Competencies and Assessment". She shared the initiatives of CAPLA and RRC related to the development of RPL Practitioner competencies, training for practitioners and options for recognizing competence.

Lauren Waples, Chair of the Manitoba Prior Learning Assessment Network (MPLAN) participated on a plenary panel session, "Canada's PLAR Networks - Coast to Coast and International Highlights," at the Canadian Association for Prior Learning Assessment (CAPLA) Conference. Also at the conference, Deb Blower, Chair of CAPLA's RPL Standards Working Group, co-presented with RRC RPL Practitioner Certificate instructor Gail Hall on "Using RPL Practitioner Competency Profiles."

As Chair of the ACCC Recognition of Learning Affinity Group, Deb Blower assisted with facilitation of the CAPLA Pre conference workshop, "Fostering Transferability and Implementing Quality RPL in Canada's Colleges and Institutes." She also presented a session on RRC RPL Services and Resources-Supporting Faculty and Staff.

Gail Hall and Deb Blower completed an RPL project with a department of Manitoba Public Insurance (MPI) that included: RPL advisor and assessor training for the management team; consultation and assistance with development of RPL tools and resources; and three Portfolio workshops for the employees involved in the RPL process.

Deb Blower and Janet Smith, RRC Socrates project lead presented on "Socrates: Take Stock of Your Learning-Online" at the 11th Annual MADLaT conference. Socrates, an online self-assessment and RPL advising tool is used in 6 programs. •

School of Business & Applied Arts

Dean Graham Thomson
Room P311, Phone: 204-949-8377,
Email: gthomson@rrc.ca

This School consists of four departments: Accounting and Computer Education; Applied Commerce & Management Education; Creative Arts; and Hospitality. The School offers programs designed to meet the specific needs of the business, information technology, hospitality, and graphics and communications professions.

School Highlights

John Reimers and Stephen Yurkiw attended the grand opening of Red River College International at Shenyang Institute of Engineering (SIE) in Shenyang, China. President Stephanie Forsyth also traveled to China to sign a second agreement with the Henan Business School in southern China.

RRC Instructors Luc Jean and Janet Townsend and student volunteers organized a fundraising dinner for the Boys and Girls Clubs of Winnipeg to support their after school programs and services. The 1st Annual 100-Mile Dinner raised $25,000.

CreCommedy Night '11 took place at Rumours with 28 comedy writers taking to the stage to perform stand-up comedy for the first time. The panel of 10 judges ranked Dylan Hughes, Mike Tanasychuk, Adam Campbell, and Brea Perrelli as the night's best.

Accounting and Computer Education Instructors Katharine Langille and Jeanine Wall, together with Christina Rogosa of the TLTC, presented results of their RRC research project on Signature Pedagogies to the Centennial Symposium on the Scholarship of Teaching and Learning (SoTL) held in Banff, Alberta.

Instructor Dan Vadeboncoeur and the 2nd year Public Relations majors organized a very successful radiothon to get donations of food and money for the Christmas Cheer Board.

Business Information Technology Project students Cyle Hunter, Scott Bevan, Nathaniel Dolynchuk, and Jerome Germono completed work on a Virtual Robot Games website prototype they built for Cogmation Robotics Inc. of Winnipeg. Company representatives worked with the students and RRC IT mentors Stephen Jay, Geoff Bresch, and Kyle Geske to develop a Web application to register and administer virtual robot games players and teams.

RRC Media Production students teamed with CTV and The Winnipeg Foundation for a fifth year to produce a series of thirty-second Public Service Announcements (PSAs) for the Foundation to be aired on CTV this spring. They also produced three short videos for the City of Winnipeg, and worked with Citytv to produce PSAs for the Broadcasters Association of Manitoba.

Second-year Graphic Design students participated in the 10th Annual Forks Market Student Art Show and Auction. Almost $10,000 was raised with the proceeds to benefit Winnipeg Harvest and the Red River College Graphic Design Students' Graduation Fund.

The 2012 Directions Business Conference – "My Conference, My Network, My Career" – was held at the Canad Inns Polo Park. A total of 413 students from the School of Business & Applied Arts attended the Student Business Conference and another 137 business delegates and faculty attended for a grand total of 550 attendees. Paul Soubry, President and CEO of New Flyer Industries, was the keynote speaker.

Guy Dugas was invited by BAE Systems, the second largest defence contractor in the world, to deliver a presentation about RRC's Business Information Technology (BIT) program full-semester Applied Research Project. BAES executives were hosted in Winnipeg by the Canadian High Commission to meet with a short-list of Manitoba companies with whom BAES is exploring joint business and research opportunities. Previous BIT LiDAR and data analytics projects were identified as areas of particular interest.

The Entrepreneurship Trade Show and Reception was held at the Notre Dame Campus. All first year Business Administration students (around 450) participated in the Communications assignment during the afternoon, and approximately 650 business partners, second year students and faculty attended the evening reception. This year there were a total of 34 booths showcasing various business and service products and ideas.

On March 18th, the students in the Live TV Production course with Instructor Joanne Kelly raised more than $60,000 during a nine-hour live telethon they planned and produced for the Winnipeg Humane Society. This was the culmination of a semester of preparation.

Staff Notable Achievements

Gail Shimonek attended the Canadian Institute of Management's (CIM) Annual General Meeting where Gail received her 20 year membership pin.

Joanne Kelly, lead instructor for the project "Live TV Production, with the focus on Service Learning", was selected for one of four Red River College Learning Innovation awards.

Instructor **Randy Butterfield's** exhibition "MONTPEYROUX Paintings of France and Europe" took place from March 12 to 30 at Fleet Galleries, 65 Albert Street.

Guy Dugas and **David Jones** attended the 2011 IEEE International Conference on Advanced Learning Technologies in Georgia. David presented his Masters' Thesis work in the area of gaming and virtual reality as pedagogical tools in education.

Brian Rountree authored a book for a niche audience, "Masonic Librarian's Cataloging Manual." The book launch was held at the opening session of the annual Masonic Library & Museum Association meeting.

Business Information Technology Instructors **Jody Gillis** and **Kyle Geske** were the force behind ManitobaElection.ca, a citizen-created resource for the 2011 Manitoba Provincial Election.

Graham Thomson joined the Board of Directors of the Certified General Accountants of Manitoba.

Creative Communications Instructor **Karen Press** was the winner of the first Geist Erasure Poetry Contest. Entrants copy a selected text and erase words and letters to form a poem. Geist is a Canadian magazine of ideas and culture.

Student Notable Achievements

Digital Media Design students **Marlon Wiebe** and **David Macri** took home the top prize of Best Film for "Robot Adventures in Outer Space" at the annual University of Winnipeg Film Festival April 25 to 27. They also won in the category of Best Animation.

Second year student **Callie Teetaert** won a competition to design a logo for the Canadian Association of Chiefs of Police convention coming up in Winnipeg in 2013.

Creative Communications graduate **Jennifer Still** won the John Hirsch Award for Most Promising Manitoba Writer at the Manitoba Book Awards.

Second year Creative Communications student **Lindsey Enns** published Black Fire, a book about the 2007 deaths of two Winnipeg Fire Department captains.

Graphic Design graduate **Paul Buccini's** entry, "The Miracle of Creation" took home two prizes at the 18th annual Eddies Awards, presented by Big Rock Brewery

1995 Creative Communications graduate **Mike McIntyre** launched his fifth true-crime book Journey for Justice: How "Project Angel" Cracked the Candace Derksen Case.

Second year Graphic Design student **Jessica Constable** won the annual Chinatown Banner Competition. Her banner design celebrating the Year of the Dragon was featured throughout the area

Lisanne Pajot, Creative Communications (2003), co-created "Indie Game: The Movie," that was shown at the 2012 Sundance Festival in Park City, Utah. The documentary won the award for best editing in the World Cinema Documentary Competition, and is being optioned by HBO

The 2011-12 Convocation Gold Medal and Lieutenant Governor Medal Award recipients were:

Gold Medal winners

- **Christa Cogill** *Business Administration (Marketing)*
- **Gilles Francois DeCruyenaere** *Digital Media Design*
- **Adelita Dilim** *Health Information Management*
- **Cameron Dueck** *Information Systems Technology (Network Management)*
- **Robyn Marie Dyck** *Hospitality and Tourism Management (Tourism)*
- **Christian Lloyd Gutierrez Gilbang** *Graphic Design*
- **Donna Joy Zacarias Guzman** *Culinary Arts*
- **Justin Daniel Haywood** *Business Information Technology*
- **Peter McKenzie Heron** *Aviation Management*
- **Wyeth Antoine Krauchi** *Technical Communication*
- **Ryan Gregory McBride** *Creative Communications*
- **Amanda Leigh Pilote** *Computer Analyst/Programmer*
- **Brittany Nicole Stephen** *Business Administration (Office Management)*

Lieutenant Governor Medal winner

- **Patricia Comeau** *Business Administration*
- **Ian Ross** *Business Administration* •

Creative Communications student, Lindsey Enns, with her newly released book called Black Fire

# 3D Computer Graphics

One-year advanced diploma program

Students are taught the skills required to work in areas such as advanced 3D graphics and animation and production management. Graduates of the 3D Computer Graphics program may find employment in visual effects, motion graphics, video game development, 3D simulation and prototyping, medical imaging, and 3D simulation industries. Some graduates may choose self-employment as freelance artists.
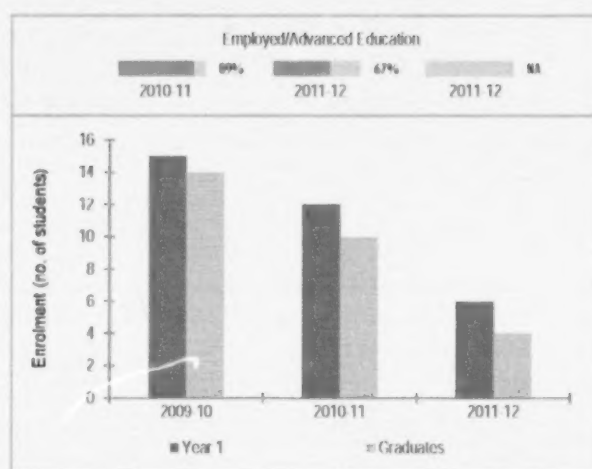
American Sign Language - English Interpretation

Joint three-year degree program offered in partnership with the University of Manitoba. Graduates will receive a diploma in ASL-English Interpretation from RRC and a Bachelor of Arts degree from the U of M.

Students are taught the skills required to function as an American Sign Language (ASL)/English interpreter in facilitating communication between hearing and Deaf individuals. Graduates are working in public schools, in interpreter referral centres and in post-secondary institutions. Some work on a freelance basis in specialized settings such as medical, religious, mental health, recreational, legal, employment, government, and the performing arts areas.
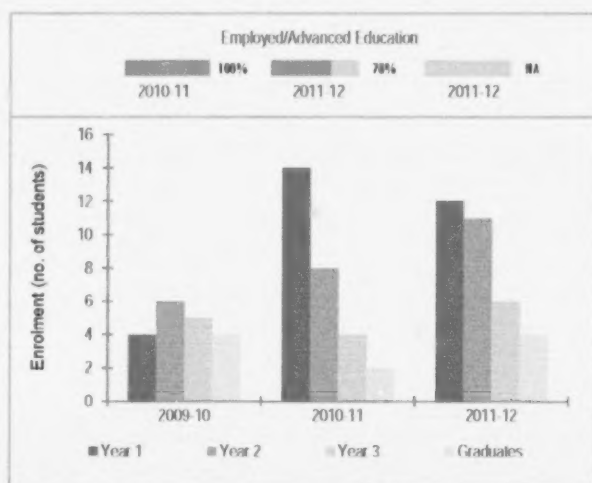
Applied Accounting

One-year certificate program

The Applied Accounting program is designed to provide students with the necessary skills to provide entry-level accounting support. In addition to developing basic accounting and computer skills, the program includes courses in general business practices.

Note: *This new program replaces Computer Accounting Technician.*

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Aviation Management

Employed/Advanced Education

2010-11	2011-12	2011-12
NA	100%	NA
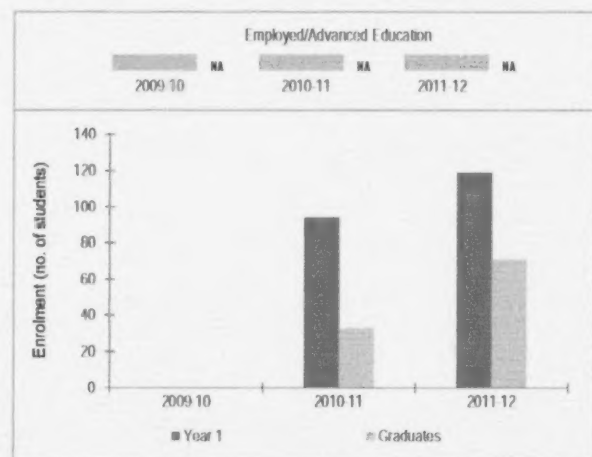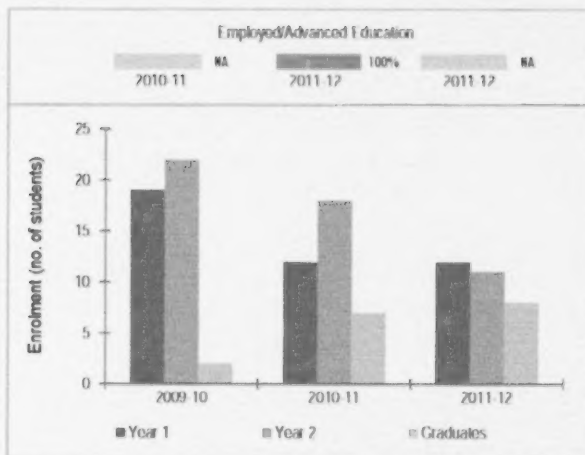
Two-year diploma program

This program combines business management and flight training in a unique program designed to prepare graduates for their first employment in an aviation career. Graduates obtain their commercial license with a night and single engine instrument rating, through training from flight simulation equipment, and flying a variety of aircraft. Further electives may provide training in instructor, float, acrobatic, and multi-engine instrument ratings. The graduates can expect to find employment in various aspects of the aviation industry, including flying and airport management.

Business Administration

Employed/Advanced Education

2010-11	2011-12	2011-12
94%	90%	NA
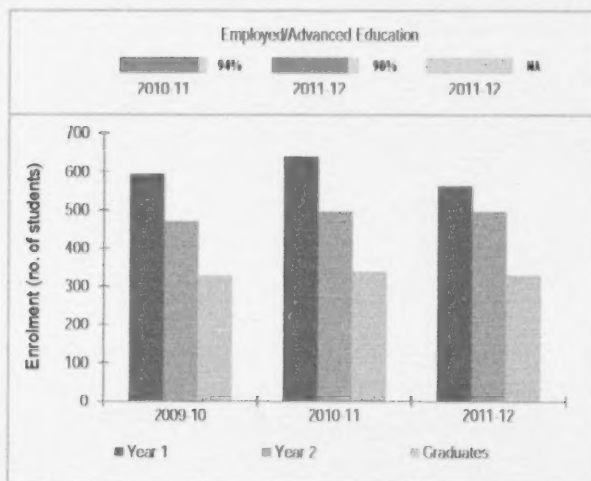
Two-year diploma program

As a result of majors including Accounting, Administration, Financial Services, Marketing, and Office Management, graduates move into a broad range of businesses and industry. Some employment areas include banking, insurance, retail management, sales positions and other service industries in large, medium or small enterprises. As a result of the entrepreneurial focus of the second year - a number of graduates have started their own business.

Business Administration Integrated
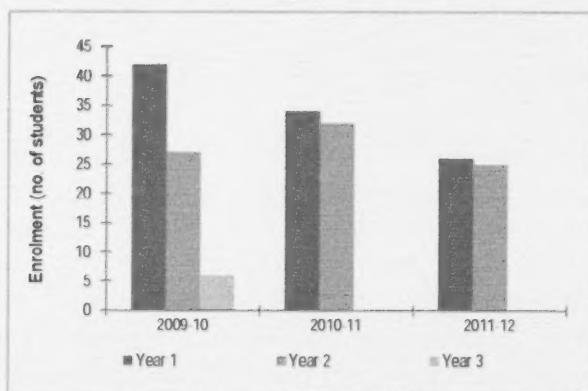
Three-year diploma program

The Business Administration Integrated program combines adult upgrading with the regular Business Administration program in a three-year diploma program. Graduates will move into a broad range of positions in business and industry.

Note: Business Administration Integrated graduates have been included with the regular Business Administration graduate figures.

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Business Information Technology
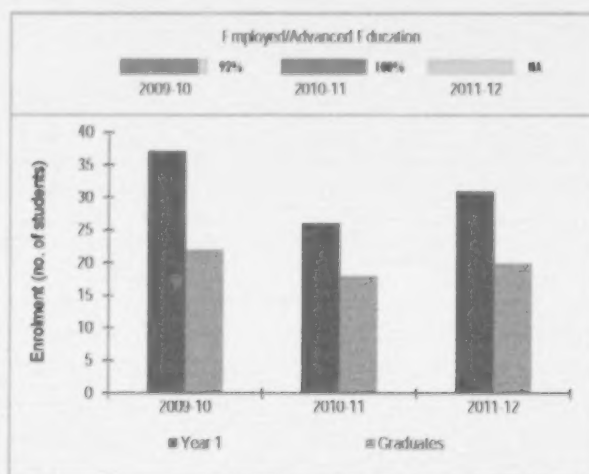
Two-year diploma program

Business Information Technology (BIT) is a two-year program that provides a broad information technology foundation during the first year of studies before students enter one of the second year specialties: Application Development, Database, Network Management, and Web Development. All specialties provide training in three distinct areas: technical training, related business courses for understanding business systems, and practical applied training by industry project or paid co-op work term.
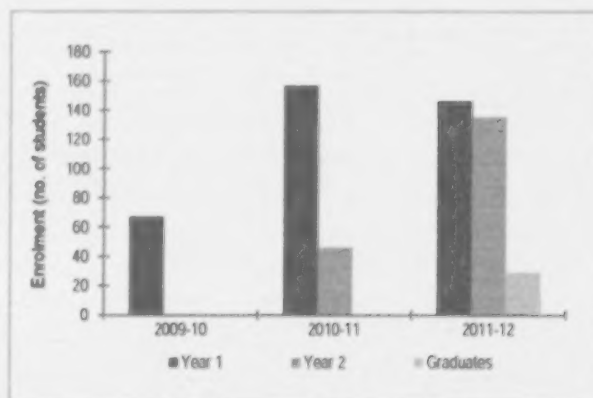
Commerce Industry Sales and Marketing

One-year certificate program

Graduates will gain the knowledge of personal selling skills required for sales success and long term partnerships. An interactive communication process will focus on the identification, development and fulfillment of customer needs and wants. Some employment areas include manufacturing, industrial goods, distribution of office supplies and equipment, transportation services and consumer goods and services.

Computer Analyst/Programmer

Two-year diploma program

The program is designed to develop proficiency in application development: including analysis and design, data base management and programming. The program includes technical computer courses and related business courses. The program provides in-depth training in several programming languages and development tools. Graduates have a highly developed technical skill set to assume entry-level positions in Information Technology in both the private and public sector.

*Note: This program is being replaced by Business Information Technology.*

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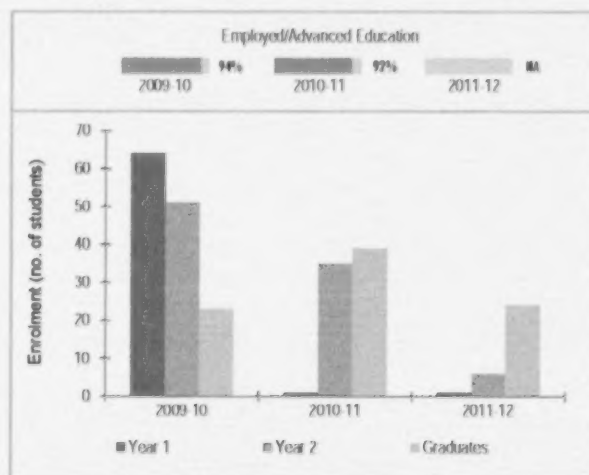
Creative Communications
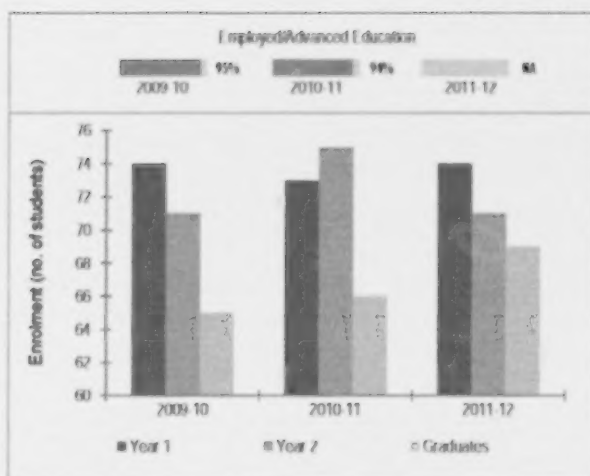
Two-year diploma program

This program is designed to give students the knowledge and skills to succeed in the communications fields of broadcast production, advertising, journalism, and public relations. Graduates have found employment as journalists in print, radio and television; broadcast production technicians; copywriters and media buyers in advertising agencies, radio and television stations; and public relations personnel in various companies and government agencies.

Note: Red River College, in cooperation with the University of Winnipeg, offers students the opportunity to pursue a combined Degree/Diploma in Communications.

Culinary Arts
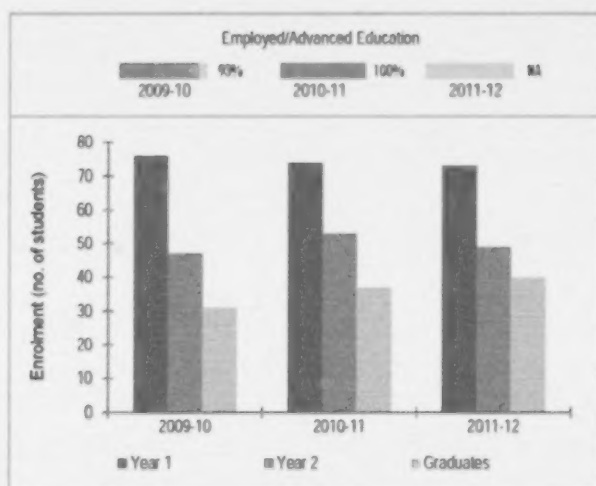
Two-year co-op education diploma program

Culinary Arts focuses on developing sound culinary skills to prepare students to meet the challenges of an increasingly sophisticated and demanding hospitality industry. The program includes two terms of paid employment in the kitchens of established hotels, restaurants or private clubs in Manitoba. Culinary Arts also incorporates the use of laptop computers as an integral part of learning and working.

Deaf Literacy
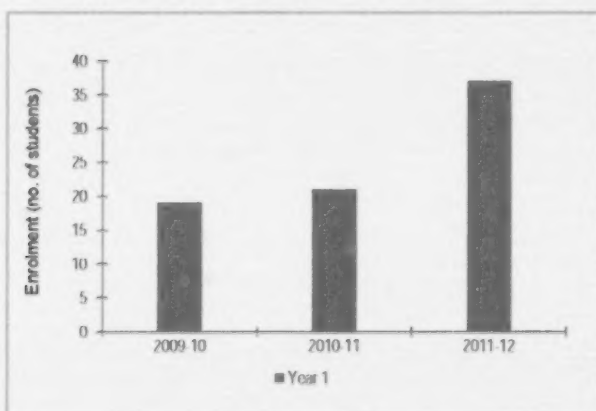
This part-time program encourages Deaf adults who are competent and proficient in American Sign Language (ASL) to learn better reading/writing skills through second language (English) approaches.

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Deaf Studies

One-year certificate program

This program is designed to increase fluency in American Sign Language (ASL) and provide knowledge of Deaf culture and history. This program is suitable for anyone who requires language and culture fluency for effective interaction with Deaf individuals, as well as those who intend to apply for entry into an ASL/Interpretation program.
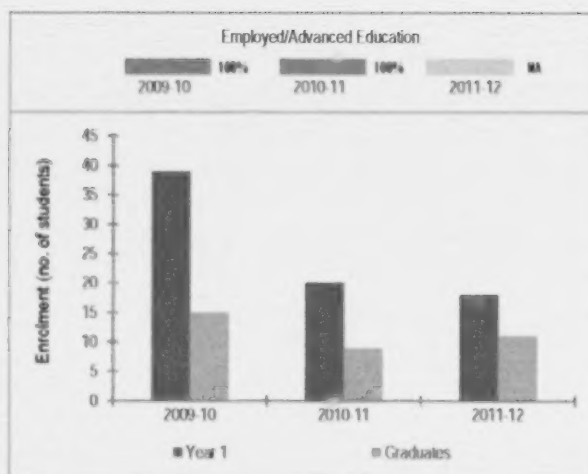

Digital Media Design

Two-year diploma program

This program provides up-to-date training in web design and development, digital video, 3D animation, motion graphics, and graphic design. It teaches both design fundamentals and technical skills, and encourages creativity, imagination, professionalism, and a strong work ethic.
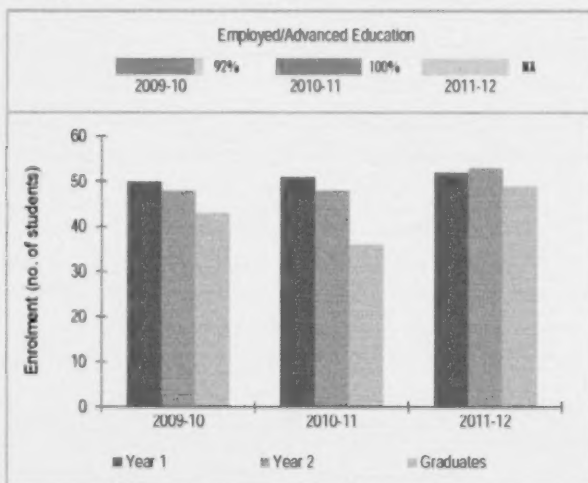
Graduates of this program may find employment as web designers, interactive and CD ROM designers, 2D and 3D animators, video post-production technicians and broadcast graphics designers.
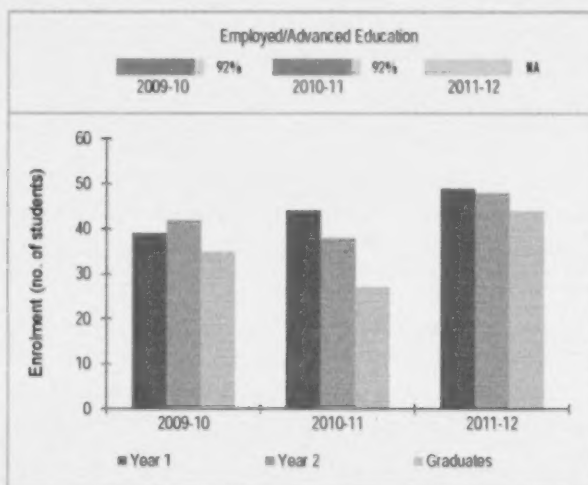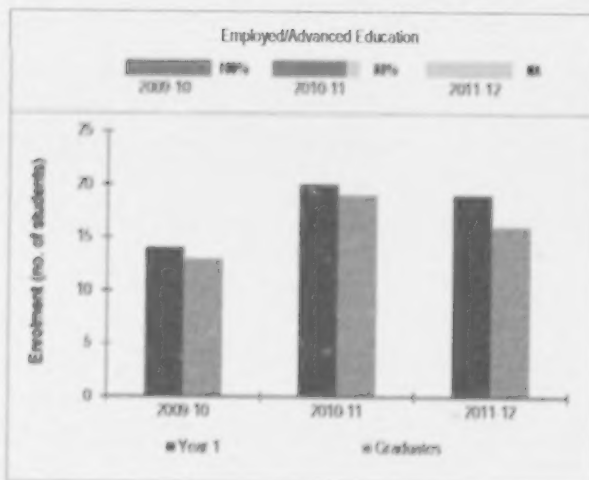

Graphic Design

Two-year diploma program

This program provides up-to-date artistic training in the technology, techniques and philosophy of graphic design. Graduates of this program have found employment as production specialists, graphic designers, illustrators and art directors in retail stores, advertising agencies, design and production studios and newspapers. Others are working in television and film studios, and some are employed as freelance artists.


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Graphic Design - Advanced

Employed/Advanced Education

One-year advanced diploma program

This program focuses on new skill requirements in areas such as advanced computer graphics, marketing and production management. Graduates may find employment in graphic design, 3D animation, interactive document and CD-ROM development, computer games development and internet web-page creation.

Health Information Management

Employed/Advanced Education
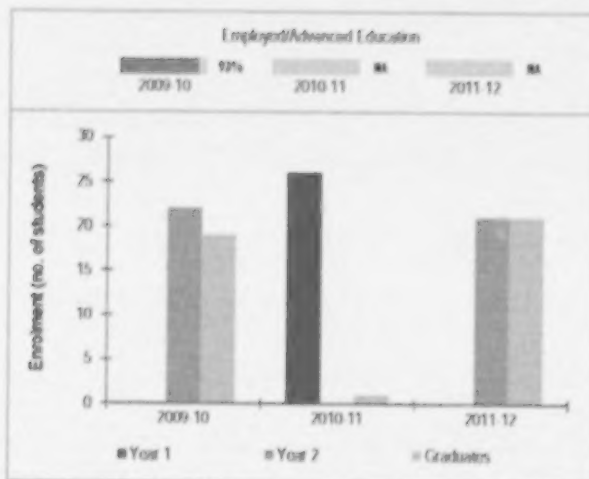
Two-year diploma program

This program develops the knowledge and skills needed for the collection, retention, analysis and dissemination of health care information required for patient care, research and education.

Note: This program has intakes every second year.

Hospitality and Tourism Management
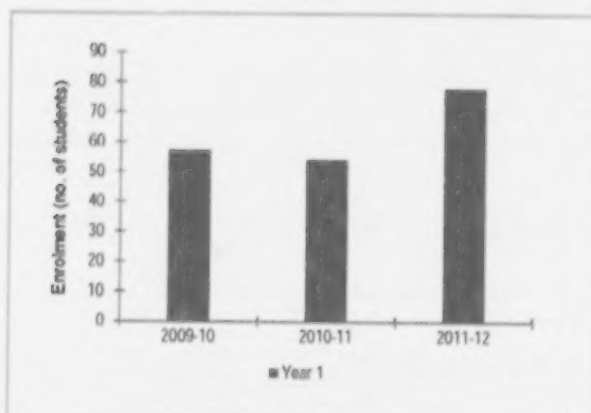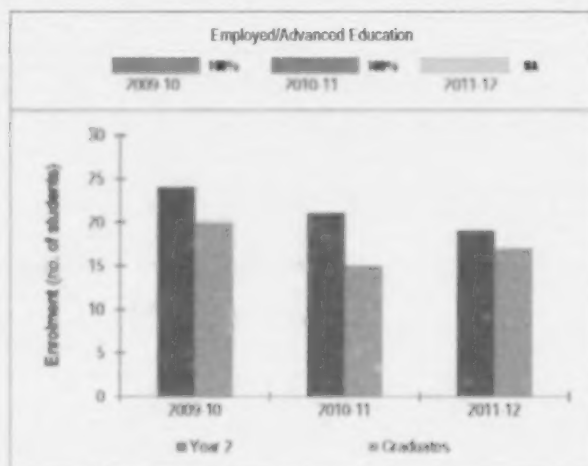
Two-year diploma program

Hospitality and Tourism Management is a two-year (24 consecutive months) diploma program with a September entry date. Students will register into a common first year and, prior to entering second year, will select either the **Hotel and Restaurant Management** major or the **Tourism Management** major.

The common first year will provide a mix of general business courses as well as tourism and hospitality specific courses. This is intended to provide exposure to various aspects of the Hospitality/Tourism industry before selecting a second year major in either Hotel and Restaurant Management or Tourism Management.

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Hotel and Restaurant Management

Two-year diploma program

Students successfully completing the requirements of first year **Hospitality & Tourism Management** may choose to enter either the Hotel and Restaurant Management major or the Tourism Management major in their second year. The Hotel and Restaurant Management major will focus primarily on two of the eight tourism sectors - Food and Beverage and Accommodation. The courses are delivered from a supervisory or management perspective. The Hospitality Simulation offered in the final term is a capstone course requiring students to work in teams to resolve a variety of case studies, drawing on academic and work experience from previous terms.

Information Systems Technology

Two-year co-op education diploma program

This program provides students with a highly developed skill set in information technology. Its emphasis is on one of three specialty areas: Database Management, Web Development or Networking Management. Graduates will have a solid technical foundation in programming, database concepts, e-commerce applications and networking. Graduates are well positioned to fill entry level positions in their specialty area with the ability to become technical specialists in both the private and public sector.
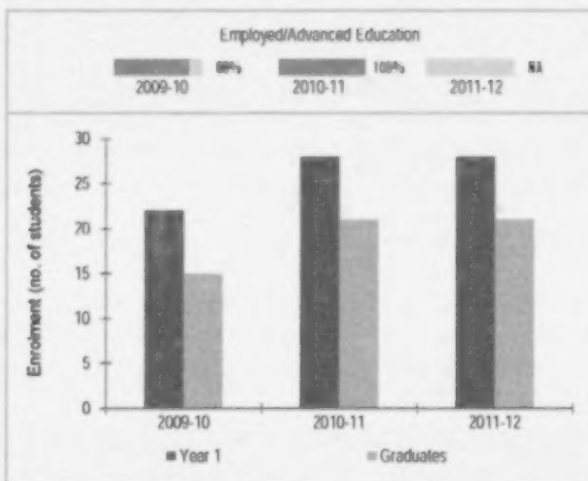
*Note: This program is being replaced by Business Information Technology.*
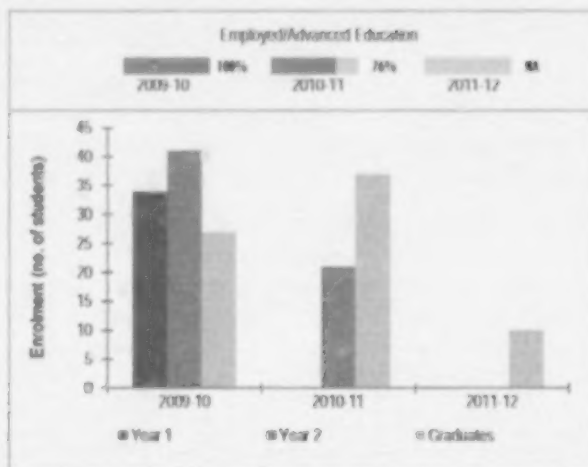
International Business

Twelve-month advanced diploma program

This program develops well-trained and qualified staff who are ready to meet the challenges of global competition in the international marketplace. Graduates have found a wide range of business, industry and organization career opportunities.
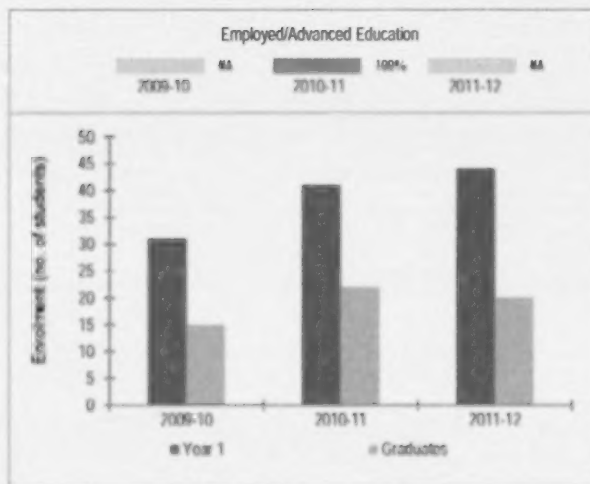
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Introduction to Business Information Technology

Four-month certificate program

This program is designed for applicants who do not meet the admission requirements for the two-year Business Information Technology (BIT) program. The program includes both preparatory courses and some Term 1 BIT courses which will reduce the Term 1 course load for those students continuing on into the BIT program.

## Library and Information Technology
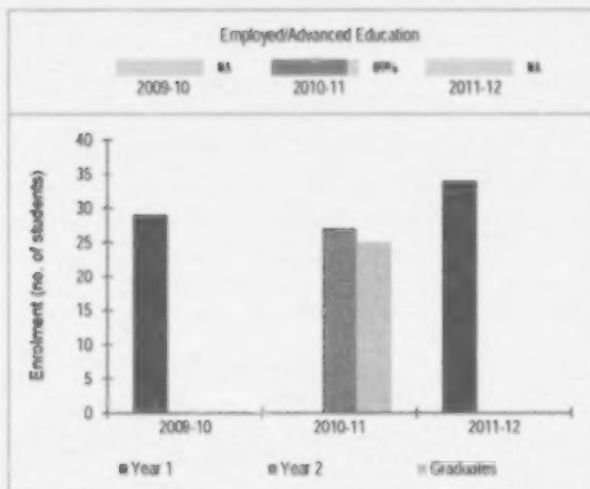
Two-year diploma program

Students learn the necessary public service and technical skills to be productive employees in library and related fields. Career opportunities exist in schools, public libraries, universities, colleges, provincial and federal government departments and agencies, industry, business and hospital or political research, book stores, utilities and publishing computerized information systems.

Note: This program has intakes every second year.

Professional Baking & Patisserie
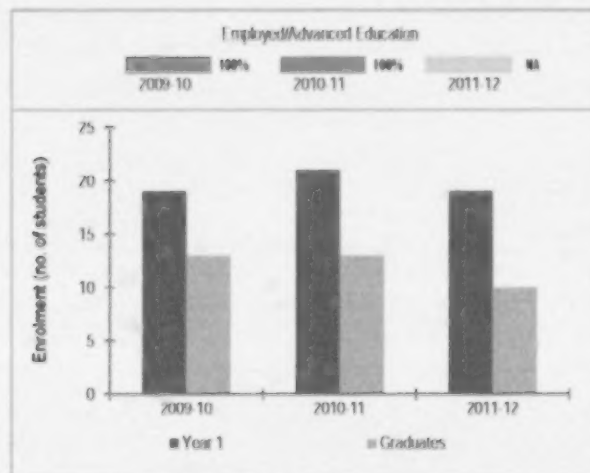
One-year co-op education certificate program

This program develops basic baking skills and related requirements through classroom instruction, practical lab training and off-campus work experience. A student begins employment as a baker's helper and may advance to a position as a competent tradesperson within approximately one year. Opportunities for employment exist in both large and smaller bakery operations.

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Technical Communication

Two-year co-op education diploma program

Technical Communication involves communicating technical and scientific information to non-technical audiences. Technical communicators work in all industries, from mining and agriculture to aerospace. They create manuals, proposals, brochures, posters, journal articles, reports, newsletters, presentations, and many other types of documents. They use a variety of software to produce documents in a variety of media including video, websites, paper, and CDs.
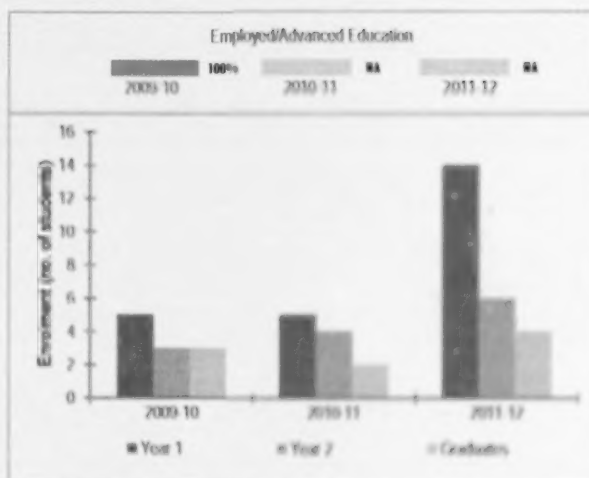
Tourism Management

Two-year diploma program

Students successfully completing the requirements of first year **Hospitality & Tourism Management** may choose to enter either the Hotel and Restaurant Management major or the Tourism Management major in their second year. The Tourism Management major discusses elements of the tourism sectors, excluding accommodations and food and beverage. The program mix is intended to provide students with a broad picture of the tourism industry and the scope of employment opportunities available.
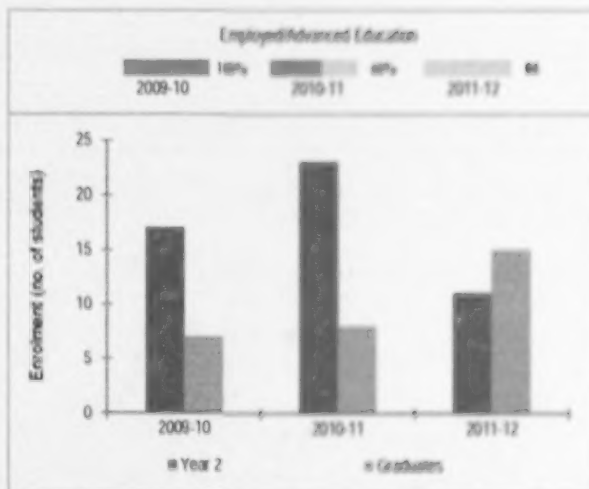
RRC Business Administration students' business plan ranks in the top 5 at University of North Dakota's Entrepreneurship Expo

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School of Construction & Engineering Technologies

Interim Dean Nancy Wheatley
Room A134C, Phone: 204-632-2291,
Email: nwheatley@rrc.ca

This School comprises four departments: Civil Engineering Technology; Construction Trades; Electrical Engineering Technology; and Electrical, Math and Science. The School provides trades, technology, and apprenticeship education and occupational training to support the Manitoba economy and infrastructure at certificate, diploma, advanced diploma, and degree levels.

School Highlights

The two, one-week Technology Exploration Camps (TEC@RRC) ran at the Notre Dame Campus in July, introducing boys and girls age 11 to 13 to a variety of engineering technology fields. Students explored fun, hands-on technology-based activities while learning to appreciate the importance of science and mathematics.

The Girls Exploring Trades and Technology (GETT) day camps were held in the carpentry shop for girls aged 12-14 years. The girls were introduced to the building trades by constructing non-motorized go carts and walking stilts and, at the end of each week, raced their go-cart creations.

The second annual Hands-on Activity Week for Kids (H.A.W.K.) was offered in July. This free camp is aimed at Aboriginal boys and girls ages 10 to 13 years. During the mornings, participants enjoyed cultural programming in RRC's Medicine Wheel Garden, recreation time and games. In the afternoons, SCET and STAM staff assisted by giving students an introduction to various skilled trades and technologies.

The EET department hosted a Saturday morning Kids' Kamp in February and March. This year two different camps were offered: an electronic camp at the Roblin Centre and a robotics camp at the Notre Dame Campus.

Development of a joint 4-year BA or BSc University of Winnipeg/Red River College Geography/ Geographic Information Systems program was completed.

Haider Al-Saidi (Chair, Electrical Engineering Technology) visited the Shengyang Institute of Engineering in Liaoning, and Henan Business College in Henan to strengthen relationships within the joint electrical technology program.

The 2011 Tech Awards Reception was held in the Voyageur Dining Room. Sixty-nine awards, totaling $71,050 were presented to worthy recipients.

RRC hosted a media event with college President Stephanie Forsyth, Vic Toews, Federal Minister of Public Safety and President of the Treasury Board, and Erin Selby, Minister of Advanced Education and Literacy, to open the new greenhouse and landscape pavilion.

The EADDI program delivery proposal was sent to Apprenticeship Manitoba to schedule five proposed groups: Levels 1 and 2 common core electrical, Level 1 automotive mechanic, Level 1 heavy duty mechanic and Level 1 water and wastewater program. The Bridge Program has another eight clients who require trade qualification assessment to enter the program.

The Civil Engineering Technology department's Bachelor of Technology in Construction Management program received national accreditation by the Canadian Institute of Quantity Surveyors (CIQS). Upon graduation, students will have fulfilled the education requirements for certification. After successful completion of the Test of Professional Experience, a structured internship during the first year of work, they would become eligible for one of the nationally recognized professional designations.

The Instrumentation Engineering Technology program received the Certificate of Accreditation from the Manitoba Apprenticeship Branch. Graduates from this program will continue to be able to challenge the Industrial Instrument Mechanic Red Seal ticket in the province. This accreditation will be valid until June 20, 2015.

Phil Klassen and Jim Migel were in China at the Shenyang Institute of Engineering to teach courses as part of the RRC-SIE joint program in Electrical Engineering Technology.

The Greenspace Management program participated in applied research projects in the following areas: air leakage testing; direct solar gain - passive thermal storage; preferred plant list for prairie green roofs; environmental protection; green walls.

The Carpentry and Woodworking department is assisting with applied research projects in Civil Engineering. One project involves building form work for concrete beam testing in the CARSI Building.

Through the Office of Applied Research and Commercialization, Dr. Arman Vahedi submitted a TASS report entitled Phosphorus Loss and Recovery of a Non-renewable Resource to the Manitoba Environmental Industries Association (MEIA). The topic of the report was concerning Lake Winnipeg, the sixth largest freshwater lake in Canada.

Dr. Robin Hutchison is engaged in a research project entitled Sustainable Precast Sandwich Wall Panels. The main objective of this research project is to improve the structural and thermal efficiency of precast sandwich wall panels.

EET staff played a major role in the first made-in-Manitoba electric bus by assembling 9 battery packs with 99 modules, designing and implementing the real-time data collection tool for battery performance evaluation.

Skills Manitoba organized a Youth in Manufacturing trade show at Red River College. Grade 10 students toured industry sites in the morning, and visited RRC's Notre Dame Campus in the afternoon.

A student team from the Civil Engineering Technology department travelled to Edmonton to compete in the Great Northern Concrete Toboggan Race. The RRC team placed 9th overall in points (out of 19 teams) and came home with the awards for Most Improved Team, and Most Sustainable Design.

A team of Structural Engineering Technology students participated in the annual Big Beam Competition and won the 3rd place in their zone.

In partnership with Habitat for Humanity, the Level 3 Carpentry apprentices constructed eight sets of stairs to be used in current and future Habitat homes.

Staff Notable Achievements

Jim Mackey was awarded "Innovator of the Year" from the League for Innovation in the Community College for his work on e-learning through the RRC apprenticeship model.

EA Rick Carvalho attended the United Association of Plumbers/Pipefitters (UA) Skills Competition in Saskatoon, Saskatchewan as a judge.

Dan Larson, Piping Trades Coordinator, attended a Cross Connection Control Seminar in Canmore, Alberta where he was honoured with the Dave Walker Award. This award was established in 1993 by the Cross Connection Control Committee of the Western Canada Section AWWA, to recognize vision, constructive leadership and excellent professional performance.

Cabinetry and Woodworking instructor Frank Jem is one of six industry representatives on the Wood Manufacturing Council of Canada and a member of their Steering Committee tasked with developing national occupational standards for worker competencies.

Student Notable Achievements

The 2012 Skills Canada National Competition was held in Edmonton. RRC students earned the following medals in post-secondary contests: Electronics, Kevin Russell, Gold; Landscaping Gardening, Colin Dewitt and Mackenzie Harman, Bronze; Refrigeration, Michael Walmsley, Bronze; Aircraft Maintenance, Dylan Pereira, Gold; Brick Masonry, Jacob Bell, Gold; Cabinet Making, Leonhard Derksen, Gold.

Electrical Engineering Technology hosted the Network Technology and Electronics Technology competition of the Annual Skills Manitoba Competition. Electronic Engineering Technology student Kevin Russell earned the gold medal in the Electronics competition.

Cory Fines, a Level 1 Red River College apprentice plumber, won the gold medal at the Manitoba Skills plumbing competition.

RRC Construction Trades students swept the podium in several Skills Manitoba contests. Bricklaying students Jacob Bell, James Pike and Kyle Donahue won gold, silver and bronze medals, respectively. Leonhard Derksen, Curtis McGowan and Cale Holden dominated the Cabinetmaking competition. Christopher Erbus, Christopher Conrad and Jerry Baker captured the Carpentry medals.

Civil Engineering Technology students Nick Dupuis, Jay Ewonchuk and Anthony Tran captured gold, silver and bronze medals respectively in the Architectural Tech & Design contest at the Skills Competition.

The Architectural Woodwork Manufacturers Association of Canada held their annual cabinet making competition in the carpentry and woodworking shop. Level 4 cabinet making apprentice Kale Holden won the competition.

The 2011-12 Convocation Gold Medal winners were:

- Jordan Conrad Burkowski Electrical Engineering Technology (Electronic)
- Angela Kasdorf Civil Engineering Technology (Structural)
- Jonathan Scott Peters Greenspace Management •

Architectural Engineering Technology
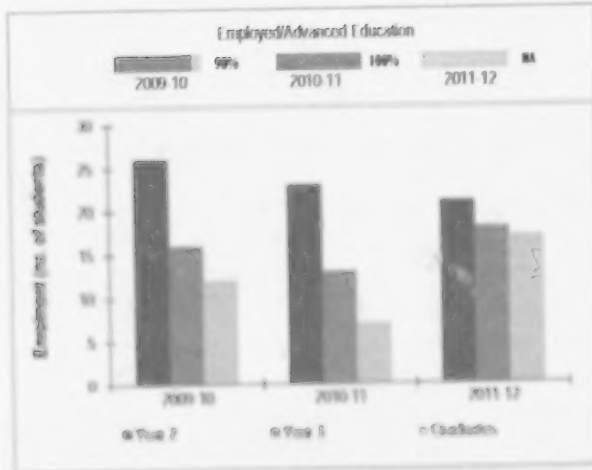
32-month co-op education diploma program

The program trains students to work with the engineering team in the design, detailing and preparation of contract documents for the construction of architectural and related building systems. Graduates have found employment with consulting and mechanical engineers, contractors, fabricators, architects and service industries, as well as with departments of municipal, provincial and federal government services.

Building Design CAD Technology
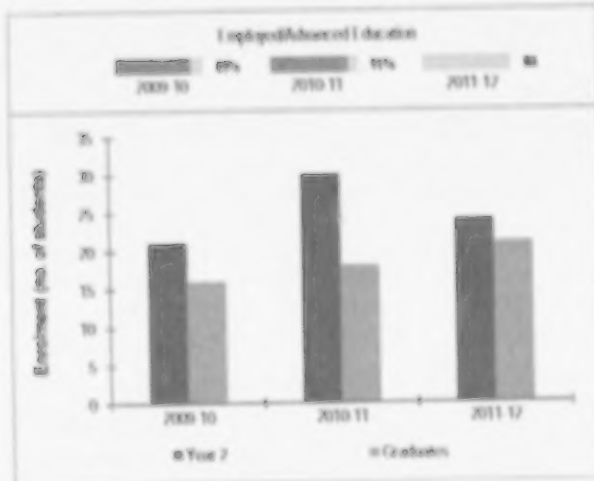
Twenty-month co-op education diploma program

The program builds on the principles of relevance and excellence to equip graduates with expertise in the latest technologies related to engineering construction systems. Building Design CAD Technology graduates are trained in the principles and applications of Architectural and Structural construction systems for careers in: CAD (computer aided drafting), design and construction of building systems, site inspection and supervision, contract administration and project co-ordination, technical sales and support, and building sciences.

Cabinetry and Woodworking Technology
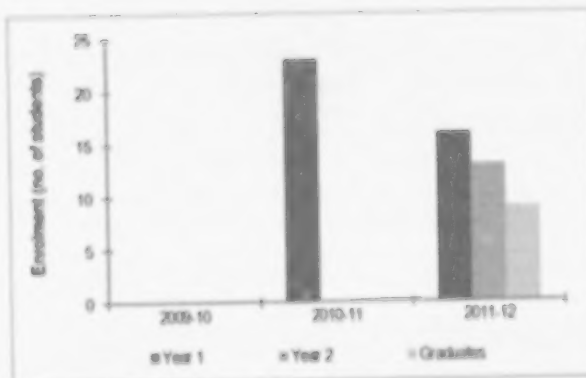
Two-year diploma program

Cabinetry and Woodworking Technology is a versatile program offering a variety of learning paths, career avenues, and a paid co-op work placement which provides the opportunity to experience the industry. Learning is fostered through a blend of workshop practice, classroom delivery, computer labs, advanced woodworking technologies, and manufacturing concepts and techniques. Students will complete a major group project that gives the students the opportunity to step into the real world of woodworking.

Note: This program has replaced the Wood Products Manufacturing Technology program.

Cabinetry and Woodworking - Certificate

One-year certificate program

This program provides the knowledge and skills required to work at an entry-level position in a cabinet or millwork shop.

Students begin by learning about the safe operation of tools and equipment used to produce cabinets, furniture, and other wood products. They learn the basics of construction and finishing techniques, materials and hardware, and blueprint reading. Students receive instruction about the functioning of today's woodworking industry and how to work in it.

Note: This program has replaced the Wood Products Manufacturing - Certificate program.
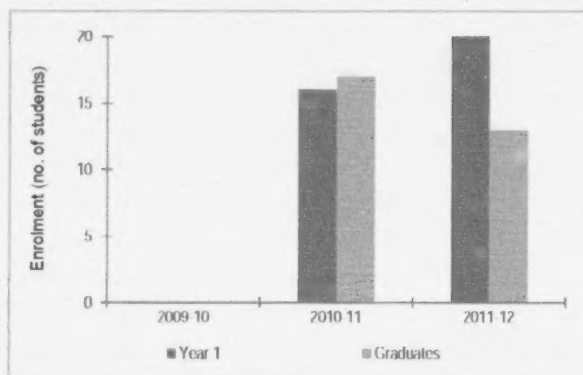
Carpentry

Five-month certificate program

Students develop a knowledge of woodworking machines, blueprint reading and sketching, and safe working practices and a familiarity with the materials and procedures needed to enter related occupations. Graduates acquire practical skills in framing, roofing, and surveying and have some exposure to concrete form construction. Graduates just starting in the trade can enter the apprenticeship program.
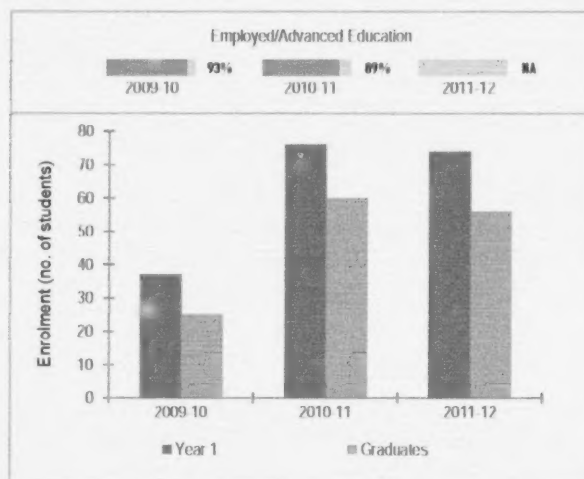
Civil Engineering Technology

Civil Engineering Technology offers a number of programs designed to provide students with career training in construction engineering, environmental protection, geomatics, and CAD technologies, as well as Professional Development courses. All Civil Engineering Technology students are registered in a common first year of academic studies, with a September entry date, where the emphasis is placed on developing generic core competencies.
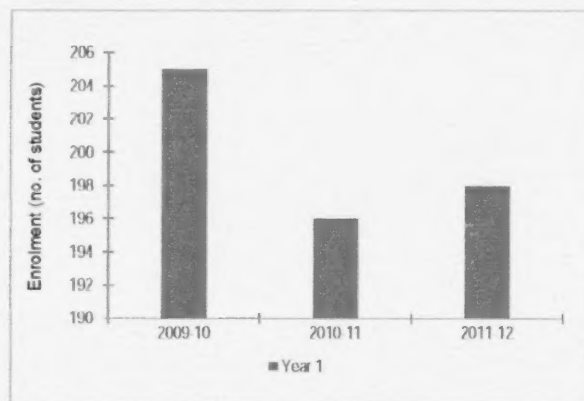
Construction Management
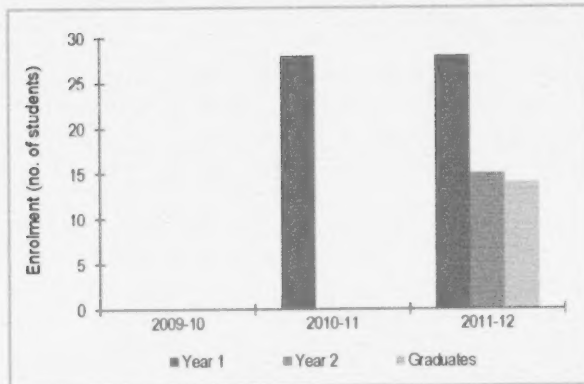
Four-year degree program

This degree program focuses on the management skills needed in heavy, industrial and commercial, and residential construction. Students develop managerial expertise and are working in the skilled trades, engineering, or engineering technologies.

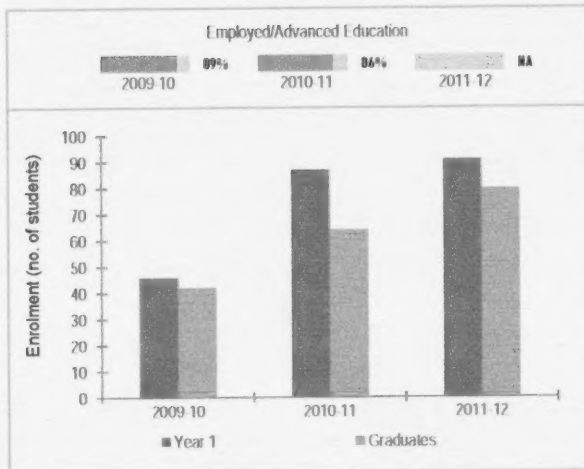Students learn how to work effectively in all construction management settings. Program learning outcomes comply with codes, laws, and regulations while respecting sustainable environmental practices.

**Note:** *2010-11 was the first year for this program.*

Electrical

Five-month certificate program

Students of this program develop the knowledge and skills required for employment in the electrical construction industry, public utilities, motor repair facilities, plus manufacturers and distributors of electrical equipment. Graduates have knowledge in the fundamentals of electricity, electrical codes, wiring practices, and trade safety awareness.

Electrical Engineering Technology
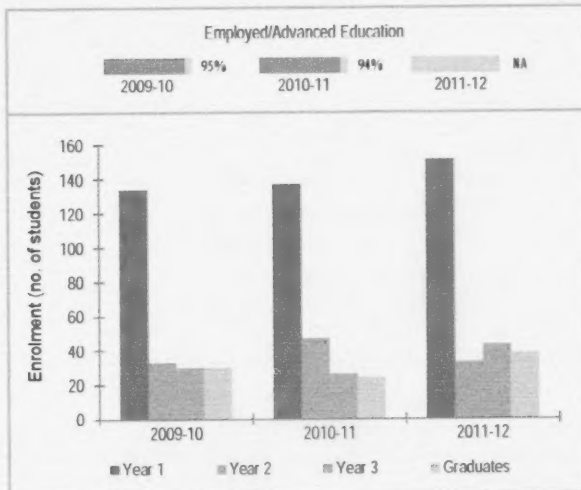
28-month diploma program

This program trains students to design, construct, troubleshoot and maintain a wide variety of electrical power systems. Graduates find employment at the engineering technologist level in electrical utility systems, consulting engineering, electrical manufacturing, electrical contracting, manufacturing and government agencies.

Note: *The Electrical Engineering Technology program group consists of Electrical, Electronic, and Instrumentation Engineering Technology. Students who successfully complete the first year of studies in Electrical Engineering Technology may remain in their program or transfer into one of the other programs in Year 2.*

Electronic and Network Technician

One-year certificate program

This program develops graduates with a sound knowledge of electrical and digital fundamentals including an expertise in computer servicing, network design, installation and maintenance. Graduates have found employment in automated factories as installer and maintenance staff, as well as medical electronics, computer services and public utilities.
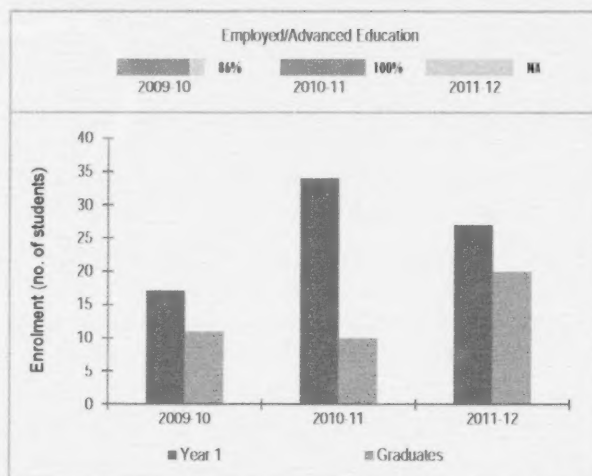
Electronic Engineering Technology

28-month diploma program

This program develops the knowledge and skills required to test, repair and develop a wide variety of electronic systems and equipment. Graduates find employment in a broad range of electronics-related occupations: in research and development; assisting in project development; in technical sales, selling and servicing electronic equipment; and in design and quality control.

Note: *Electronic Engineering Technology requires one preliminary year of Electrical Engineering Technology studies.*
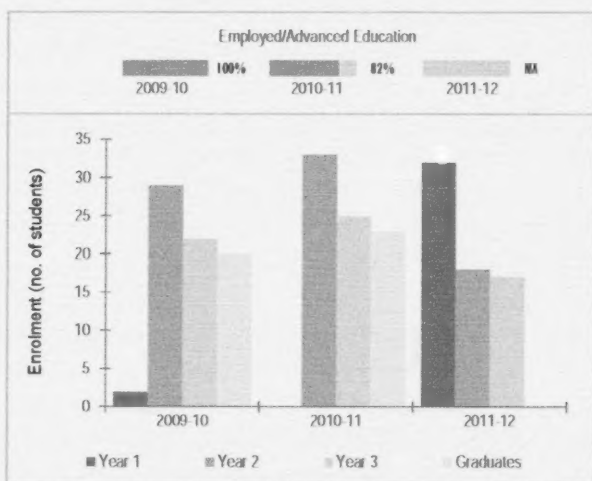
Electrical/Electronic Engineering Technology Integrated

Three and one-half year diploma program

This program is designed for applicants who do not meet the regular admission requirements of the three and one-half year **Electrical Engineering Technology** program or who choose to take it over four years. The integrated program is designed to provide a broad background so graduates are prepared to enter one of the many challenging jobs in aerospace, communications, manufacturing, healthcare, power and network utilities, or other areas in the electrical/electronic sector.

Note: *In year 3, students will move to Electrical, Electronic, or Instrumentation Engineering Technology..*
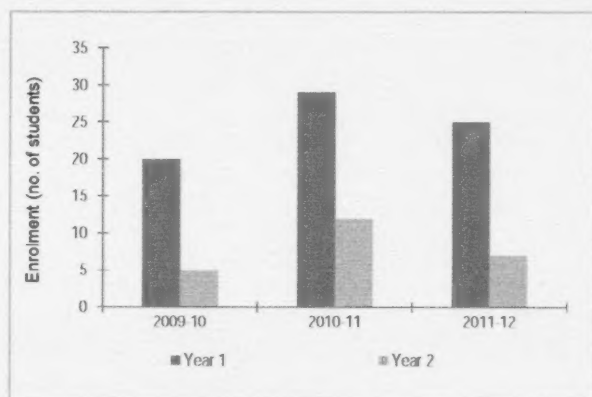
30

Environmental Protection Technology

Employed/Advanced Education

2009-10	2010-11	2011-12
78%	93%	NA

Enrolment (no. of students)

■ Year 2   ■ Year 3   ▣ Graduates
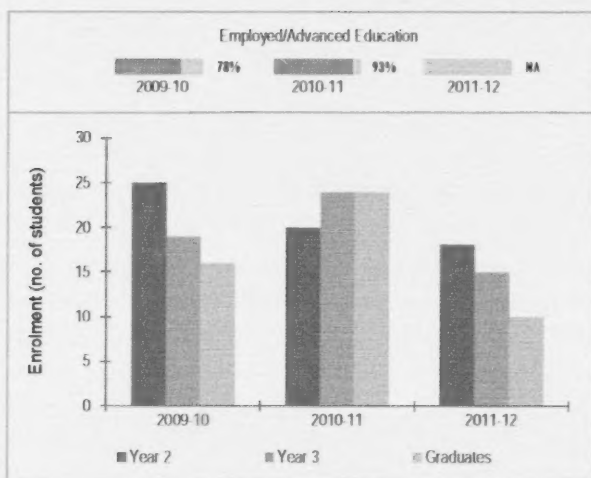
32-month co-op education diploma program

Students develop knowledge and skills in the principles and applications of Environmental Protection Technology for careers in waste disposal and water supply, reuse and recycling, workplace health and safety, integrated project management site reclamation, remediation and containment testing, quality control surveying, and global positioning systems and modeling. Graduates find employment with consulting engineering firms, resource-based industries, construction and development companies, inspection and testing agencies, manufacturers, material suppliers, governments and crown corporations.
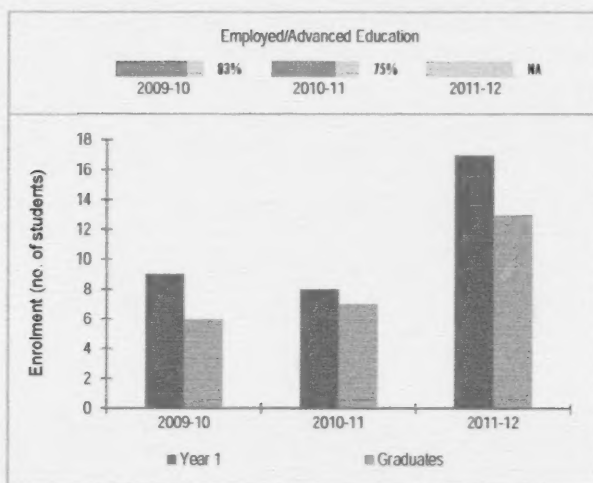
Geographic Information Systems (GIS) Technology

Employed/Advanced Education

2009-10	2010-11	2011-12
83%	75%	NA

Enrolment (no. of students)

■ Year 1   ▣ Graduates

One-year advanced diploma program

This program provides trained technologists and other persons with the technical and conceptual skills in the design, development and implementation of Geographic Information Systems (GIS). Graduates find employment in municipal agencies, resource industries and utilities organizations. An appropriate undergraduate diploma or degree is a prerequisite for entry into this program.

Geomatics Technology

Employed/Advanced Education

2009-10	2010-11	2011-12
100%	100%	NA

Enrolment (no. of students)

■ Year 2   ■ Year 3   ▣ Graduates
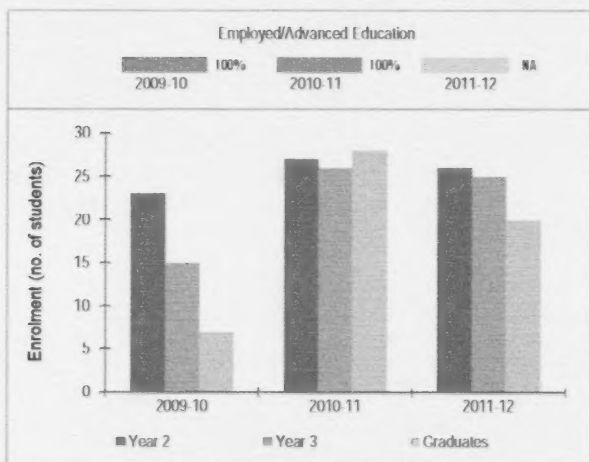
32-month co-op education diploma program

Students obtain knowledge and skills in the legal and engineering surveying fields. Graduates have found employment in a range of construction and resource industries, and in government services. They have been hired for jobs in land surveys, construction and topographic surveys, mining surveys, hydrographic and geodetic surveys.

31

Greenspace Management

30-month co-op education diploma program

Students develop the knowledge and skills required to construct and maintain greenspaces such as parks, golf courses and cemeteries. The program focuses on turfgrass construction and manage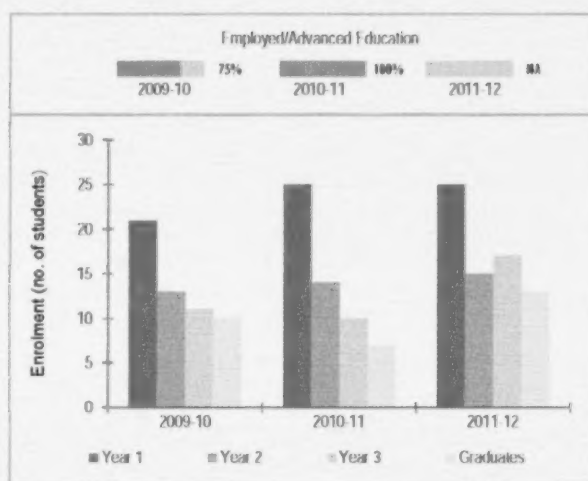ment, ground construction and maintenance, equipment operation, pesticide application, irrigation systems, horticulture, arboriculture, computers, office management and strategic planning. Graduates find employment in golf courses, departments of parks and recreation, and cemeteries.

Instrumentation Engineering Technology

28-month diploma program

Students learn to design, construct, troubleshoot and maintain a wide variety of control systems. Graduates find employment as instrument mechanics, working with tools; as instrument technologists in engineering offices; as junior designers; and as technical sales people. Some graduates have moved into management positions.

Note: Instrumentation Engineering Technology requires one preliminary year of Electrical Engineering Technology studies.
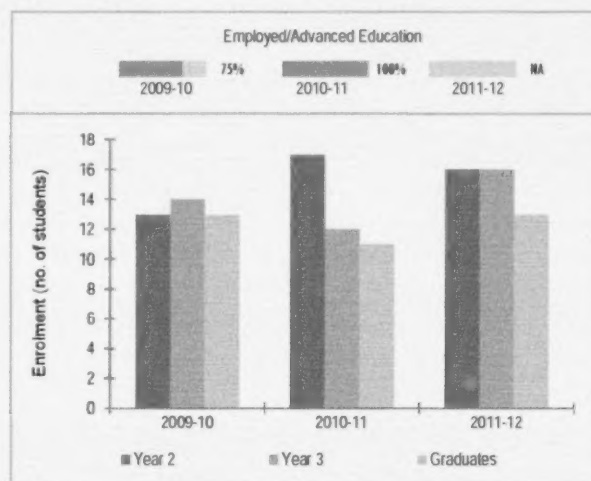
Municipal Engineering Technology

32-month co-op education diploma program

This program develops the knowledge and skills needed to assist in the design and construction of municipal services and roadways. Graduates have found work with consulting and engineering companies, government departments and agencies in the design and construction of sewer and water projects, highway projects, earth-retaining and hydraulic structures. Others are employed in equipment and material sales and in the research and manufacture of construction-related products.
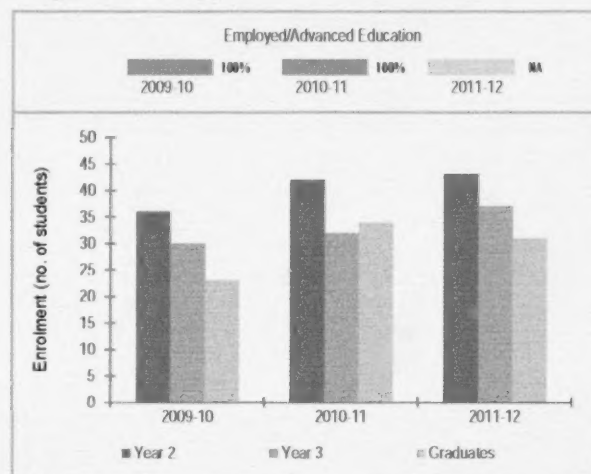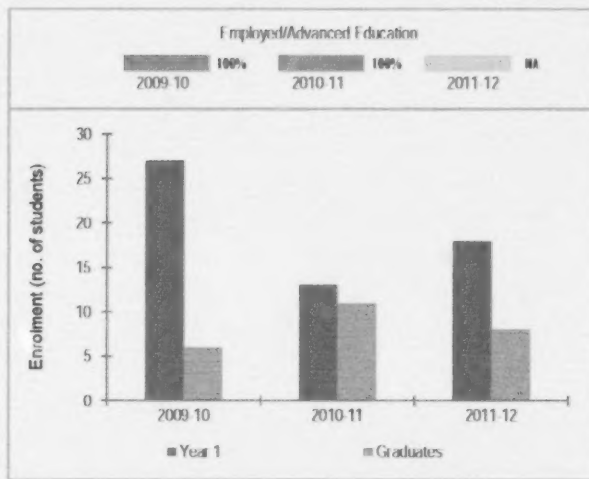
32

Network Technology (CCNA) Certificate

Employed/Advanced Education

| 2009-10 | 100% | 2010-11 | 100% | 2011-12 | NA |

One-year certificate program

This program is intended for entrants who have worked with computer networks and who have more than a basic knowledge of computer systems. This multidisciplinary program encompasses courses covering a range of topics from windows client and server operating systems, computer hardware, advanced networking, network cabling, Unix, wireless networks, VOIP, and network security.

Network Technology (CCNP) Certificate

Employed/Advanced Education

| 2009-10 | NA | 2010-11 | NA | 2011-12 | NA |
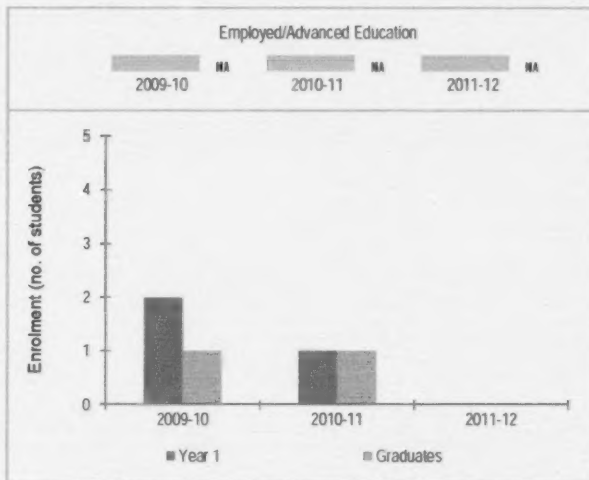
One-year certificate program

This program is intended for entrants who have worked with computer networks and who are certified as CCNA. This multidisciplinary program encompasses courses covering a range of topics including windows client and server operating systems, computer hardware, advanced networking, network cabling, Unix, wireless networks, VOIP, and network security.

Network Technology (CCNP) Diploma

Employed/Advanced Education

| 2009-10 | 75% | 2010-11 | 100% | 2011-12 | NA |

One-year diploma program

This program is intended for entrants who have completed the Electronic and Network Technician certificate program. This multidisciplinary program encompasses courses covering a range of topics including windows client and server operating systems, computer hardware, advanced networking, network cabling, Unix, wireless networks, VOIP, and network security.

33

Plumbing

Five-month certificate program

This program provides the knowledge and skills required to install and repair piping systems in residential and commercial 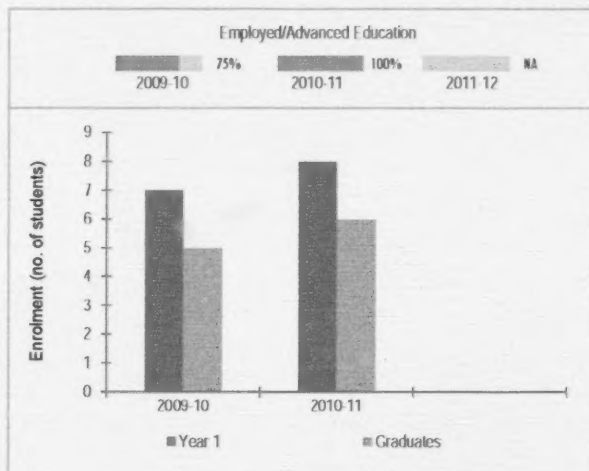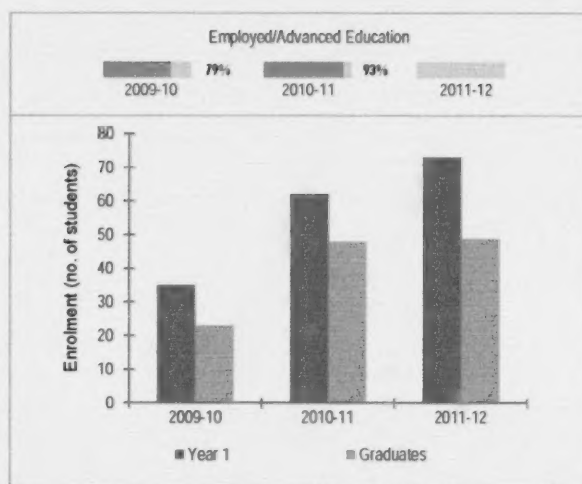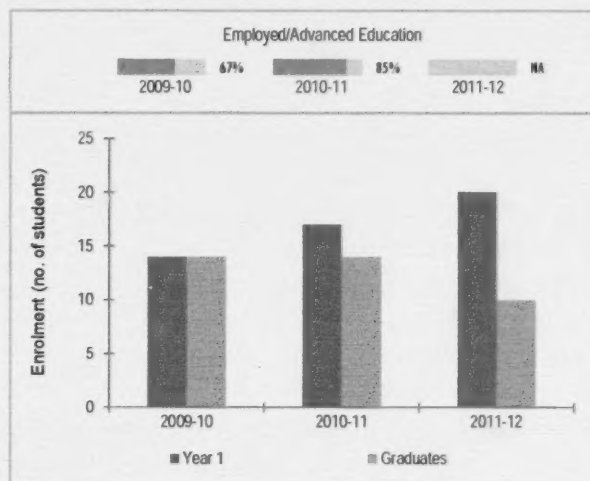buildings. Students learn to install and repair water and waste disposal systems and plumbing fixtures, and to lay out sanitary drainage, venting, and storm drainage systems. Emphasis is placed on the efficient and safe use of tools and materials in accordance with piping, safety and building codes and regulations.

Employed/Advanced Education

79%	93%	
2009-10	2010-11	2011-12

Enrolment (no. of students) — Year 1, Graduates

Refrigeration and Air Conditioning Technician

One-year certificate program

This program develops the skills required to install, service and repair commercial and industrial refrigeration and air conditioning equipment. Graduates find employment with refrigeration and air conditioning companies as apprentices or as customer consultants in refrigeration retail stores. Journeypersons work mainly in the construction of cooling plants and cooling cabinets and in the maintenance field for refrigerated vans, hockey rinks, food retailers, air conditioners and industries demanding cold temperatures for their processes.

Employed/Advanced Education

67%	85%	NA
2009-10	2010-11	2011-12

Enrolment (no. of students) — Year 1, Graduates

Structural Engineering Technology

32-month co-op education diploma program

This program provides the knowledge and skills needed to work with the engineering team in the formulation and calculations for structural building systems. Graduates have found job opportunities in structural design and inspection with consulting engineering firms, contractors or government departments.
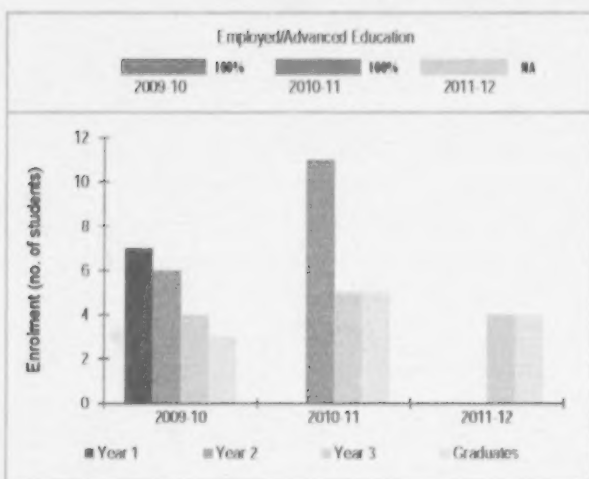
Employed/Advanced Education

90%	100%	NA
2009-10	2010-11	2011-12

Enrolment (no. of students) — Year 2, Year 3, Graduates

34

Wood Products Manufacturing Technology - Diploma

32-month co-op education diploma program

This program develops the knowledge and skills required to operate basic wood processing machinery. The program focuses on wood science, computer operation, CAD/CAM, basic jig and fixture design, machining, woodworking techniques, CNC machine operation and programming, cost estimation and supervisory management. Graduates find employment in the wood processing industries as wood machinists, cabinet-makers, supervisors, shop managers, product designers, CAD/CAM operators/programmers, in sales and supply of wood products and in estimating.

Note: This program has been replaced by Cabinetry and Woodworking Technology.

Construction Management Degree Receives National Accreditation (From left): Michael Bernier, Director of Education – CIQS Prairies and NWT; Mark Gardin, CIQS 2nd Vice-President; Nancy Wheatley, Dean of RRC's School of Construction & Engineering Technologies; Dave Burns, President – CIQS Prairies and NWT; Jerry Johnstone, Chair of RRC's Civil Engineering Technology program; Dave Lai, CIQS Education Administrator; and Roger Ward, CIQS Director (at large)

School of Health Sciences & Community Services

Dean Louise Gordon
Room A134, Phone: 204-632-2215,
Email: lgordon@rrc.ca

This School consists of four departments: Allied Health Sciences, Community Services, Life Sciences and Nursing. These departments offer baccalaureate degrees, advanced diploma, diploma and certificate programs. As well, the School is involved in a number of community-based projects and health education partnerships with external agencies.

School Highlights

Louise Gordon, Dean of the School of Health Sciences and Community Services accompanied the President and the International Education Branch on a trip to China where agreements were signed with three institutions, and opportunities for additional partnerships were discussed. There is interest in pursuing linkages in Early Childhood Education and Health Sciences programs.

The College of Registered Nurses of Manitoba gave full approval to the new RRC Bachelor of Nursing Program. This approval is in place until 2015. This is a significant accomplishment for a new program.

Cathy Baxter, Kris Metcalfe and Shelley Tallin of the Nursing Department organized a successful two-day national conference on working with Internationally Educated Nurses. It was attended by over 130 people from across Canada and the USA.

Roche Diagnostics, a multi-national company that as one of its lines of business, makes equipment for medical laboratories, funded the renovation and development of a Medical Laboratory Sciences Chemistry 'discovery' lab for hands on training of med lab sciences students and Roche employees. A room in Building A was repurposed for this project. Roche donated the equipment necessary for the lab to be functional, and also trained personnel to use their unique approach to educating people on the equipment.

SCIENCE OF EARLY CHILD DEVELOPMENT
Members of RRC's Community Services Department & the Aga Khan Development Network (Istanbul, 2012)

RED RIVER COLLEGE

The Primary Care Paramedicine program has made the site in the Portage la Prairie Regional Campus a permanent rural site for the program.

The Life Sciences department is undertaking a major curriculum review of the Animal Health Technology program. Consultation occurred with a wide variety of veterinarians and animal health technologists representing all aspects of practice in the province. This curriculum review process is being undertaken in partnership with the Program and Curriculum Development department, which has assigned Sandra Sukhan to be the lead.

Community Services has two new Early Childhood Education (ECE) projects. The first involves partnering with three community agencies -- Family Centre of Winnipeg, West Central Women's Resource Centre and Urban Circle -- to deliver the Introduction to Early Learning and Care course to newcomers and Aboriginal learners who are currently unemployed. The second project involves working with Healthy Child Manitoba in an enriched care giving child care centre opening in the Lord Selkirk Housing Development area.

The Child and Youth Care program worked in partnership with Regional Campuses to expand the program to offer year one of the program in Portage la Prairie and St. Laurent.

Louise Gordon, Janet Jamieson and Jamie Koshyk traveled to Istanbul, Turkey as part of an Aga Khan Development Network (AKDN)project to meet with program participants from Asia, Africa, the Middle East and Europe who were part on the online Science of Early Child Development program. While in Istanbul, meetings occurred with the AKDN main contacts regarding the next phase of this project.

The Science of Early Child Development (SECD) project was a finalist in the education category of the IPAC/Deloitte Leadership Awards. Janet Jamieson and Louise Gordon presented the project to the judge's panel in Toronto.

Janet Jamieson attended the launch of the Early Years 3 Report and the memorial service for Dr. Fraser Mustard who provided inspiration and guidance to Red River College's SECD resource.

Janet Jamieson and Jamie Koshyk presented a session about the work with the Aga Khan Development Network at an ACCC ECE Faculty Forum in Ottawa. Janet also met with the McCain Foundation and with officials of the Aga Khan Foundation Canada to discuss future developments in the SECD program.

Community Services has finalized new agreements involving international work with the Aga Khan Foundation, building on a previous partnership in developing and delivering a contextualized version of the Science of Early Child Development online resource. A new project involves working with colleagues in East Africa to incorporate SECD into their curriculum; new filming in Tajikistan, Mozambique and Mali; the development of short versions of each SECD module for translation; and the development of a simplified online course.

Community Services embarked on a new Bangladesh/Canada linkage in partnership with the Aga Khan Foundation, Bangladesh. This pilot project involves developing and delivering ECE training to preprimary teachers in the Sylhet region of Bangladesh as well as measuring outcomes of the intervention.

The Grand Opening of the Makoonsag Intergenerational Children's Centre was held in the new centre playground at 527 Selkirk Avenue. Attended by Urban Circle and Makoonsag Elders, dignitaries such as Premier Greg Selinger and Ovide Mercredi, RRC President Stephanie Forsyth, children and families as well as many others, the event was a celebration of the work by many individuals and organizations to realize the vision of a demonstration children's program in partnership between the ECE Program at Red River College and Urban Circle.

Staff Notable Achievements

Louise Gordon completed her second year as the President of the Canadian Association of Allied Health Programs and will be Past-President for a two year term. Louise became Chair of the Board of the Winnipeg Humane Society for a two-year term. She was also elected vice-chair of the Canadian Medical Association's Conjoint Committee on Accreditation.

Ruth Lindsey-Armstrong was the recipient of the Manitoba Child Care Association (MCCA) Graduate Student Award, presented at the annual Provincial Conference Banquet. Ruth completed her Masters Degree in Adult Education and received the 2011 Dominique Abrioux Graduate Scholarship and the 2011 Excellence in Research Scholarship from Athabasca University.

Sharon Balasko, Kelly Andrushko, Kim Hanna and **Marc Battle** presented sessions at the Manitoba Child Care Association Provincial Conference. Topics included an evening focused on Ethics in Early Childhood Education, body image, eating attitudes and behaviours, and physical activity among children.

Dawne MacKay-Chiddenton (Child and Youth Care) is the secretary for the National Education Accreditation Child and Youth Care Board (EACYCB). The CYC program will include the competencies developed for accreditation in the program review.

Three ECE faculty members presented at the Prevention Matters Institute Conference in Saskatoon. Kelly Andrusko presented "Body Image, Eating Attitudes and Behaviors, and Physical Activity in School Age Children".

Marc Battle, ECE Instructor, was the keynote speaker at the Westcoast Child Care Resource Centre Conference in Vancouver. His keynote topic was on the importance of play in children's lives. He also presented a workshop on early childhood environments.

Bill Younger, Chair Allied Health Sciences participated on a Canadian Medical Association accreditation survey team for an Advanced Paramedic Training Program in Ontario.

Student Notable Achievements

The 2011-12 Convocation Gold Medal and Lieutenant Governor Medal Award recipients were:

Gold Medal winners

- **Amber Bollman** *Disability and Community Support*
- **James Gerald Gayhart** *Disability and Community Support*
- **Rachel Harms** *Animal Health Technology*
- **Margaret Lois Ings** *Medical Laboratory Sciences*
- **Stephanie Joy Klassen** *Early Childhood Education*
- **Mitsuko Sylvia Miyamoto** *Chemical and Biosciences Technology*
- **Charlene Renee Penner** *Child and Youth Care*
- **Dawn Joanne Power** *Diploma Nursing (Accelerated)*
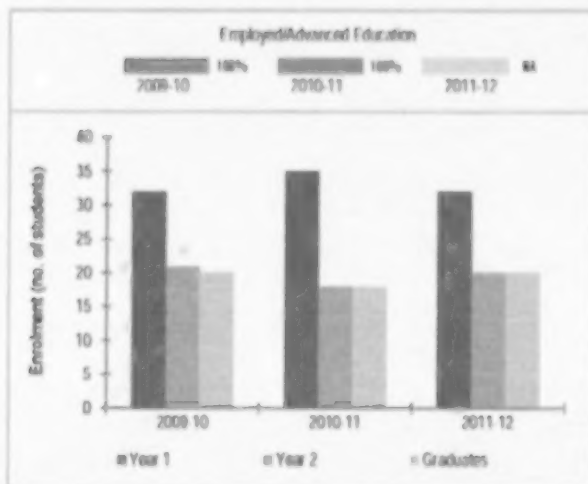- **Melissa Lorraine Marie Raine** *Medical Radiologic Technology*

Lieutenant Governor Medal winners

- **Mitsuko Sylvia Miyamoto** *Chemical and Biosciences Technology*
- **Christopher J. Wagner** *Paramedicine - Primary Care Paramedic* •

*Paramedicine - Primary Care Paramedic students*

Animal Health Technology

Two-year diploma program

This program prepares students to develop the knowledge and skills required to be a member of an animal health care team. While most graduates find employment in private veterinary practices, some graduates also work in farm production units, research laboratories, zoological collections and the federal or provincial governments.

Chemical and Biosciences Technology
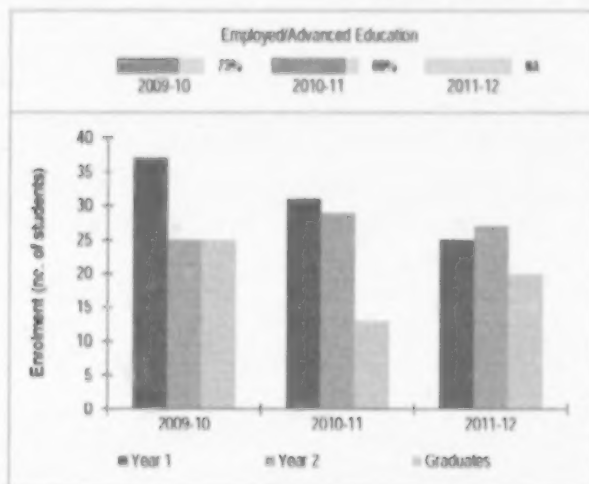
Two-year co-op education diploma program

This program prepares students to have the knowledge and skills required to work as technologists in the industrial biosciences, chemical/life sciences fields. Graduates find employment as technologists in analytical analysis, research, quality assurance and biotechnology.

Child and Youth Care
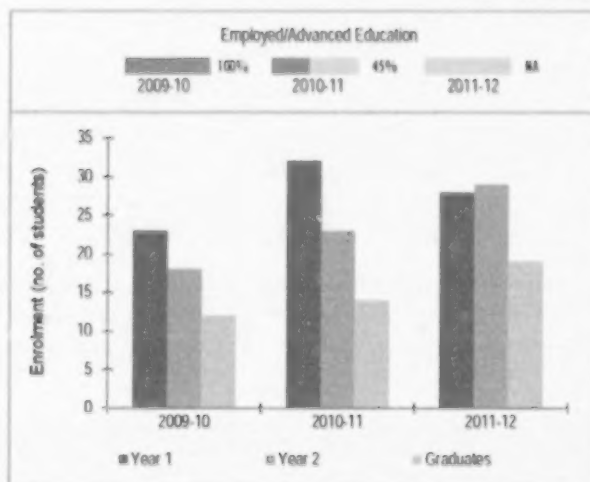
Two-year diploma program

This program provides the skills to enable graduates to assist children, youth and their families develop strengths and skills to identify and resolve concerns in their lives. Child and Youth Care practitioners work in a wide range of settings with children and youth experiencing behavioural and/or emotional difficulties. The need for child, youth and family support expands in response to the multiplicity of social and economic issues affecting communities.

39

Dental Assisting - Level II

One-year certificate program

This program is designed to develop the skills required to assist dentists in all dental procedures, such as mixing materials and preparation of instruments, operatories and working with patients. Graduates find employment in private dental offices, large clinics and in government public health programs.
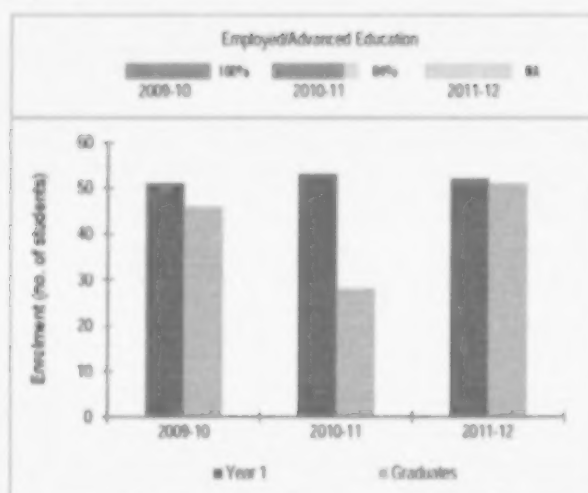
Diploma Nursing (Accelerated)

Two-year diploma program

The Diploma Nursing (Accelerated) Program was a 25-month continuous program. On successful completion of the program, graduates were awarded a Diploma in Nursing from Red River College and were eligible to write examinations to become members of the College of Registered Nurses of Manitoba and use the designation "Registered Nurse". Registered Nurses focus on promoting health and caring for those already ill. They provide services to individuals and families in many settings, but primarily in health care institutional settings.

Note: This program has ended and graduated its last due to the development of the Bachelor of Nursing program which is now offered by RRC.
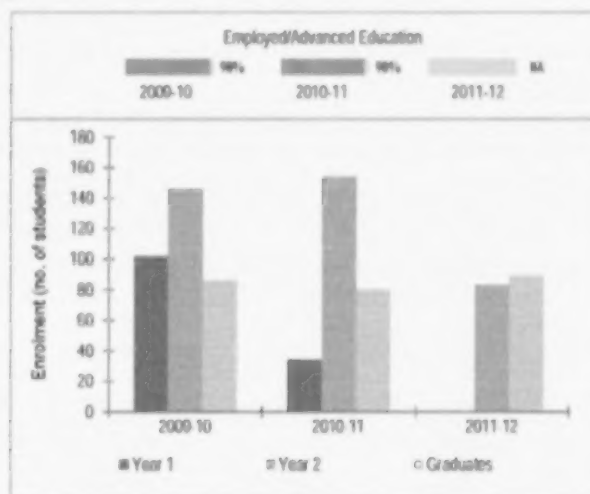
Disability and Community Support

Two-year diploma program

This program provides the knowledge and skills required to provide quality assistance to individuals with an intellectual disability living in the community. Positions may be found in community residential settings, employment-related programs, and developmental and educational services.

Note: Thirty students are enrolled annually, the remainder in first year are individuals requesting credit through the College's Recognition of Prior Learning opportunities.
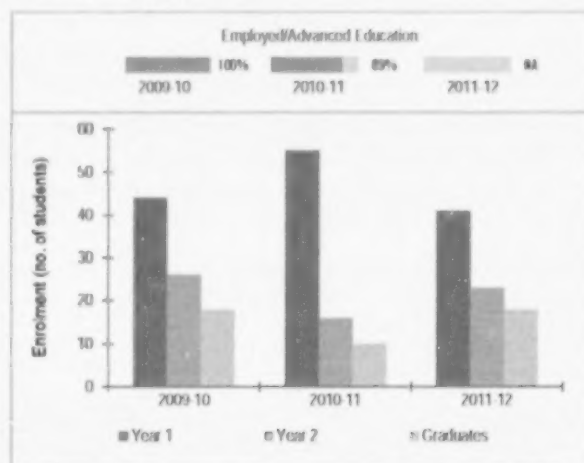
Early Childhood Education
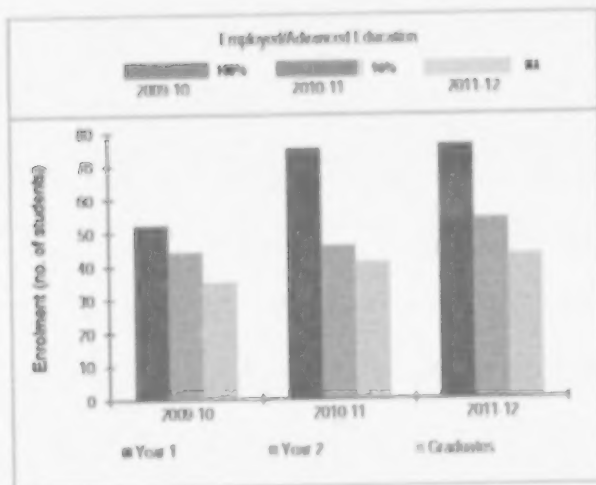
Two-year diploma program

The purpose of this program is to provide students with the knowledge and skills required to offer quality early childhood education in the community. Graduates find employment working with young children in a variety of child care centres.

Early Childhood Education - Workplace
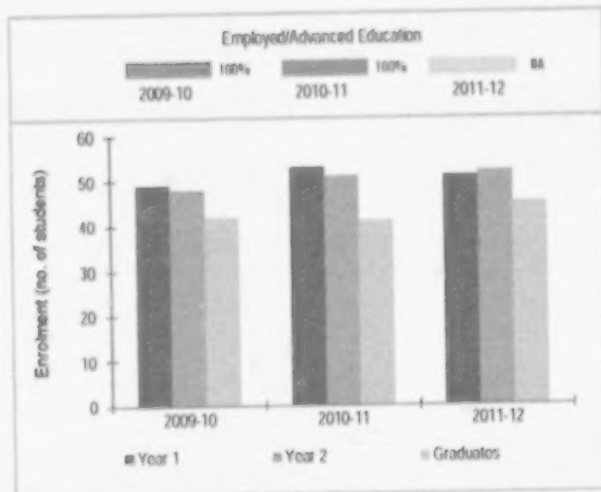
Two-year diploma program

The purpose of this program is to provide students who are already in the workforce with the knowledge and skills required to offer quality early childhood education in the community. Students attend classes at Red River College two days a week and work at their current employment for three days a week. Graduates competently plan appropriate learning experiences that stimulate the intellectual, physical, emotional and social development of young children.

Note: Students entering second year will graduate in the following academic year.

Health Care Aide
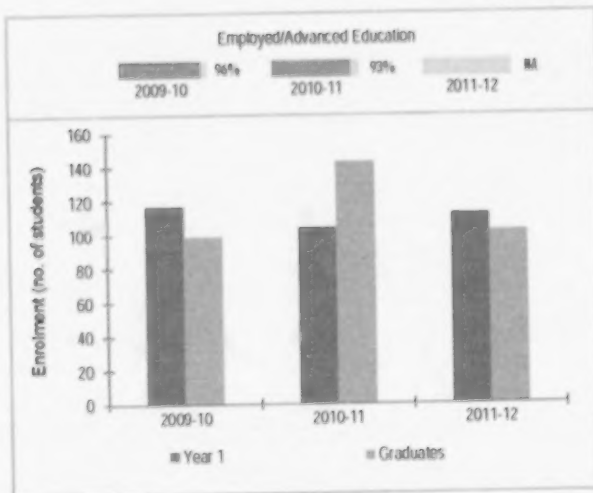
Five-month certificate program

This program is designed to prepare students to become health care workers who, under the supervision of a nurse, assist hospital patients, personal care home residents, or home care clients with meeting their physical, emotional and social needs. Graduates find employment in hospitals, personal care homes, and community or home health care agencies.

Joint Baccalaureate Nursing

Joint four-year degree program

This program is a four-year program offered in partnership with the University of Manitoba (U of M). The students take the first three years of the program at RRC and the fourth year at the U of M. On successful completion of the program, graduates are awarded a Bachelor of Nursing Degree from the U of M, and are eligible to write examinations to become members of the College of Registered Nurses of Manitoba and use the designation "Registered Nurse". Registered Nurses focus on promoting health and preventing illness, and caring for those already ill. They provide services to individuals, families and communities in institutions, clinics, private homes and a broad range of other settings.

Note: *The program has concluded due to the development of the Bachelor of Nursing program.*
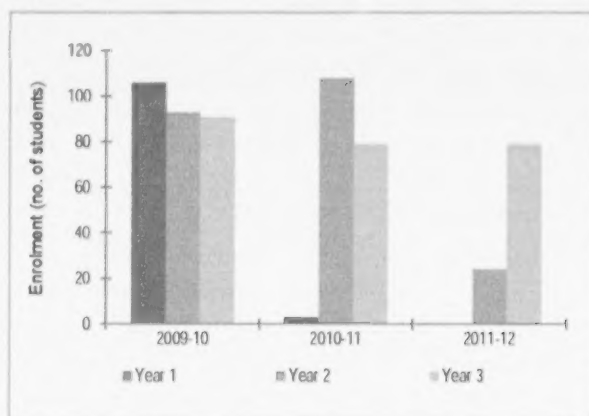
* *Students graduate from the University of Manitoba.*

Magnetic Resonance Imaging (MRI) and Spectroscopy

Nine-month advanced diploma program

This advanced program teaches proficiency in producing high quality images and optimal utilization of MRI equipment. Graduates are prepared to write the National Certification examinations and are also prepared in basic spectroscopy. This program is a partnership with the Institute of Biodiagnostics at the National Research Centre and clinical sites.
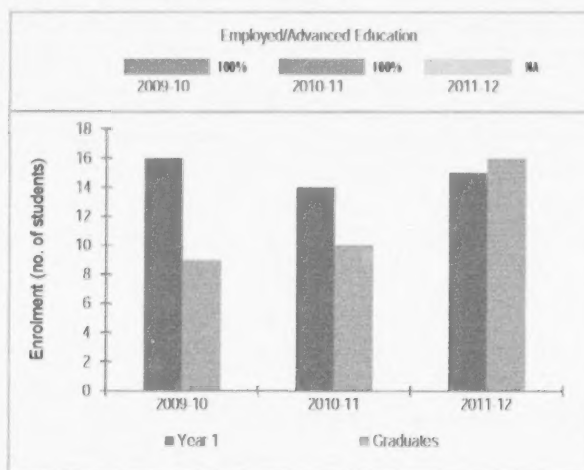
Medical Laboratory Sciences

Two-year diploma program

This program is designed to provide the academic knowledge and supervised practical experience to develop the required skills in the 5 sub-specialty areas of a medical laboratory science environment.

Graduates find work in hospitals, other health care facilities, private and public labs and Canadian Blood Services.
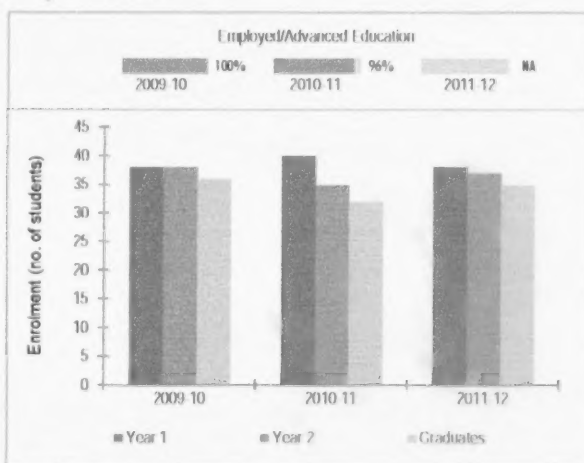
42

Medical Radiologic Technology

Employed/Advanced Education
100% 2009-10   95% 2010-11   NA 2011-12

Year 1   Year 2   Graduates
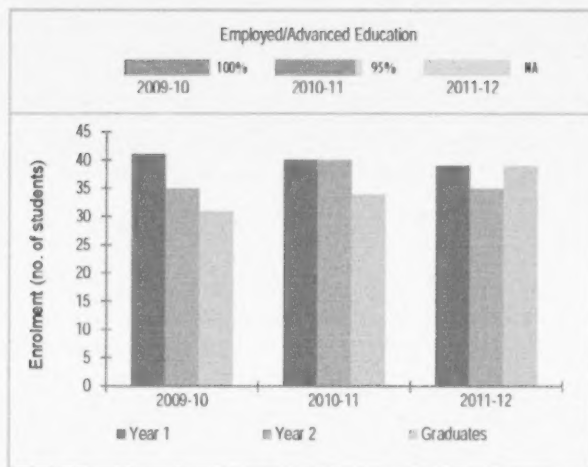
Two-year diploma program

The purpose of this program is to develop proficiency in the management of patients and the safe operation of x-ray equipment. Graduates find employment in hospitals and medical clinics. Some are working in related teaching and research, while others are employed as technical advisors or representatives for x-ray equipment and supply manufacturers. Graduates may choose to further their training in magnetic resonance imaging and ultrasound programs.

Registered Nursing

Year 1   Year 2
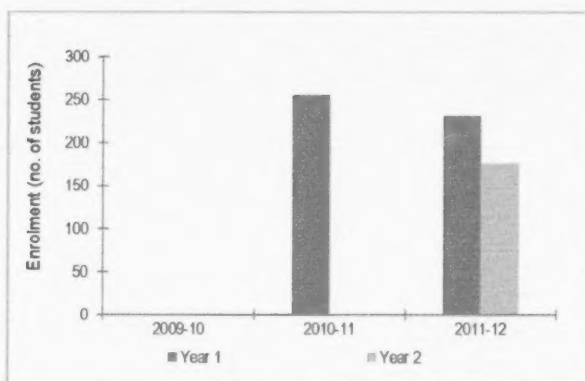
Three year – 36 month degree program

Following successful completion of this program, graduates will receive a Bachelor of Nursing (BN) degree from Red River College (RRC) and will be eligible to write the Canadian Nurse Registration Exam (CRNE). When graduates successfully complete this national exam, they are entitled to become a member of the College of Registered Nurses of Manitoba (CRNM) and legally use the designation Registered Nurse (RN). Employment is found throughout the health care system.

Paramedicine - Primary Care Paramedic

Employed/Advanced Education
100% 2009-10   94% 2010-11   NA 2011-12

Year 1   Graduates
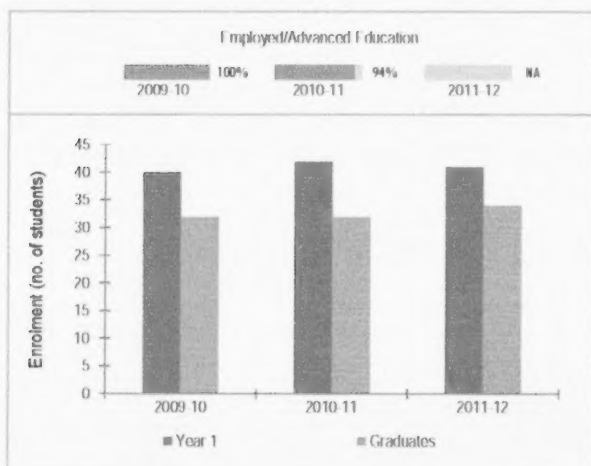
One-year certificate program

This program provides students with the knowledge and clinical experience to develop the required skills to work in the field of emergency medical services.

This program is based on the national occupational competency profile for Paramedicine - Primary Care Paramedic, and supports employment opportunities in rural and northern Manitoba.

Pharmaceutical Manufacturing

Eight-month certificate program

Pharmaceutical Manufacturing provides the required skills for working within the Life Sciences industry in the production of both solid dose and bio-fermentation pharmaceuticals drugs. Skills included are documentation, safety and cross contamination prevention, milling and blending of powders, tablet compression, and bio-fermentation. Graduates find employment as production technicians with Manitoba's regulated pharmaceutical manufacturing companies.
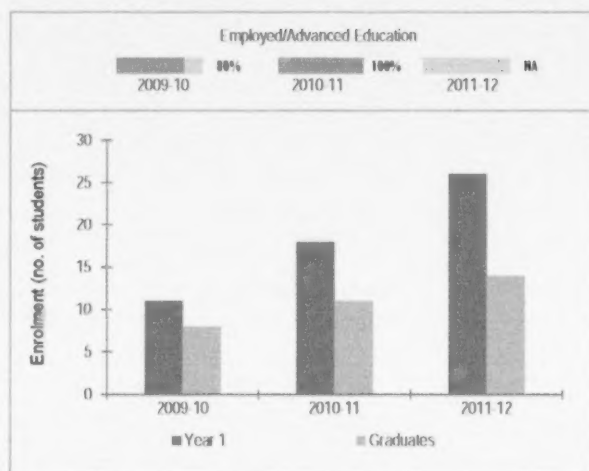
Quality Assurance/Quality Control (QA/QC) in the Pharmaceutical Industry

One-year advanced diploma program

This program provides instruction in the concepts of working in a manufacturing environment controlled by regulatory agencies. As a QA/QC specialist, a graduate will be eligible to work in Good Manufacturing Practices (GMP) regulated laboratories or GMP regulated pharmaceutical manufacturing companies in quality control laboratories or in quality assurance, as well as in International Standards Organization (ISO) or Good Laboratory Practices (GLP) regulated laboratories.
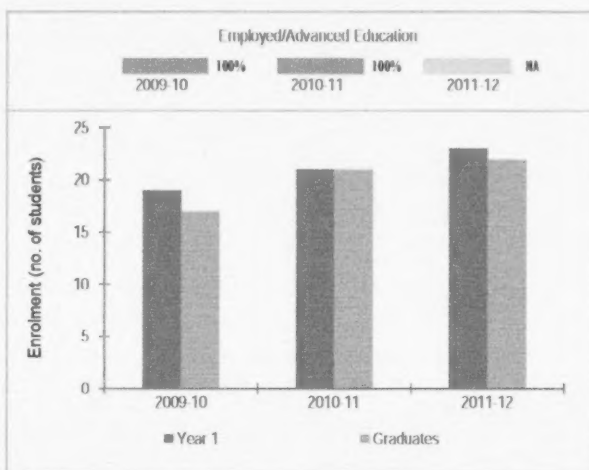
Radiation Therapy

Two-years

This program, offered jointly by RRC and Cancer Care Manitoba develops the knowledge and skills required to work in the treatment of cancer by use of ionizing radiation. Graduates find employment in cancer treatment centres in Manitoba and across Canada.

Note: *Students complete 15 weeks at RRC. The remainder of the two years is completed at clinical and hospital sites across Manitoba and Saskatchewan.*

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Rehabilitation Assistant

Employed/Advanced Education

100%	88%	NA
2009-10	2010-11	2011-12

Enrolment (no. of students)

25
20
15
10
5
0

2009-10   2010-11   2011-12

■ Year 1   ■ Graduates
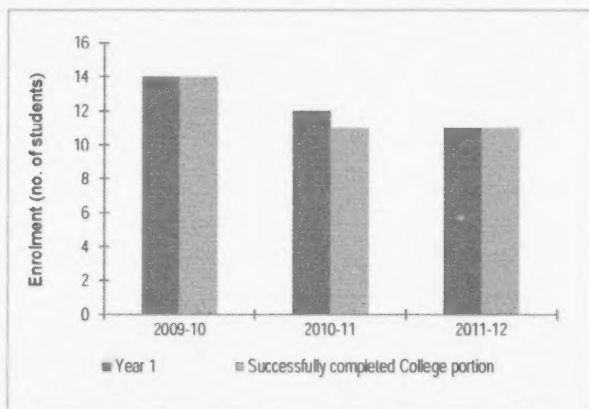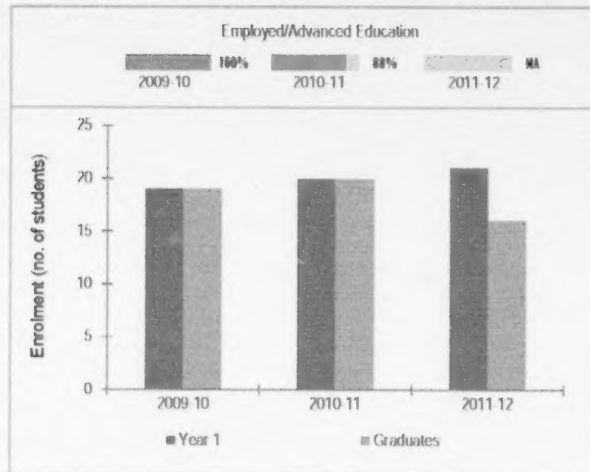
Joint one-year certificate program

This program, offered jointly by RRC and Winnipeg Technical College, prepares students with the knowledge and skills necessary to provide rehabilitative care to clients and families under the supervision of a licensed rehabilitative therapist (i.e. Physical Therapist, Occupational Therapist, Speech and Language Pathologist). Graduates are employed in a variety of areas including health care facilities, schools and other organizations providing home therapy service.

School of Indigenous Education

Dean Marti Ford

Room F116, Phone: 204-632-2534,

Email: mford@rrc.ca

The School offers a number of strategic programs and services designed to assist students from various backgrounds to be successful in all areas of the College. An important focus has been co-operative work with the Aboriginal community. The School continues to improve programming and supports for Aboriginal (First Nation, Metis and Inuit) students and to improve services to Aboriginal communities by partnering with organizations and agencies in providing community-based education programs.

This School includes the Aboriginal Education/Program Development and ACCESS Programs department; the Aboriginal Student Support and Community Relations unit; the Adult Learning Centre; and five regional campuses which include the Interlake Campus, Peguis/Fisher River Campus, Portage Campus, Steinbach Campus, and Winkler Campus.

School Highlights

The School of Indigenous Education ran its 2nd HAWK Camp (Hands on Activity Week for Kids). Aboriginal boys and girls aged 11-13 took part in cultural teachings, tipi building, drumming, and working on projects in the Trades area at the College.

Responsibilities for the Mobile Training Labs (MTL) were transferred to the School of Indigenous Education. April Krahn, Director of Aboriginal Student Support and Community Relations (ASS&CR) will be directly responsible for MTL initiatives.

The ASS&CR department organized several two-day "Working Effectively with Aboriginal People" workshops for RRC staff.

ASS&CR hosted the following summer solstice recognition events for staff and students: Summer-Farewell Feast, Medicine Picking and a Pipe Ceremony.

H.A.W.K. CAMPS
Aboriginal youth learned about trades and technology training during the second annual Hands-On Activity Week for Kids last July.

RED RIVER COLLEGE

Staff from ASS&CR volunteered to work at a Habitat for Humanity building site as a means of community outreach and to learn more about the trade professions.

The School of Indigenous Education assisted International Education in hosting education partners from Brazil. They participated in College Week, toured the Notre Dame and Exchange District Campuses, and were taken to Urban Circle and the Centre for Aboriginal Human Resource Development (CAHRD) to visit community-based programs.

The Aboriginal Centre coordinated the NDC welcoming celebration event as an opportunity for students to learn about the supports and services available at the college as well as a chance to meet the support team. There were 155 students and 23 staff in attendance.

The Aboriginal Centre hosted the NDC Pipe Ceremony and Fall Feast, led by Elder, Mae Louise Campbell and Cultural Advisor, Rob Apetagon. The traditional pipe ceremony and feast celebrated the fall equinox. Forty-eight participants, the most ever, attended the Pipe Ceremony and 140 assembled for the Feast. .

The President, Marti Ford, Dean SIE and April Krahn, Aboriginal Student Support and Community Relations Director (ASS&CR), met with the National Panel on First Nations Elementary and Secondary Education to provide suggestions on how they should move forward with a national plan to improve education outcomes for First Nation students.

Staff from ASS&CR organized a number of student events, including Family Fun Night, Community Circle Lunch, Come Home for Lunch, Fall Feasts, Traditional Teachings 101, Women's Full Moon Drumming, a Halloween Party, smudges, and morning prayers and songs.

Counselor Cheyenne Chartrand, organized two presentations on the Two Spirit Community and the History of Two Spirit People in Manitoba, in partnership with the Lesbian, Gay, Bisexual, Transvestite, Transsexual (LGBTT) Initiative at Red River College and the Two Spirit Society of Manitoba Inc. She also organized Gakina Awiiyaa: We Are All Related, an event to connect Aboriginal LGBTT* people and Red River College in a meaningful way that honours the voices of Indian Residential School Survivors.

The Aboriginal Education/ ACCESS department worked on a strategic plan that will focus on: supporting community needs through partnerships with educational institutions to increase our enrolments and accommodate our Aboriginal populations; providing more effective programming by aligning, revising and replacing existing courses and programs; planning program reviews for continued relevancy and national and international recognition; revisiting and aligning staff workloads and assignments to meet operational and scheduling demands; and meeting with other departments to ensure support and success of all RRC's Aboriginal students.

Rob Apetagon, Aboriginal Cultural Advisor, spent two days in Sapotawayak First Nation where he shared teachings and provided support to Intro to Trades students. Tamara Dicks, Notre Dame Campus Counselor, in conjunction with Elder Mae Louise Campbell developed and facilitated the "Women Helping Women Group."

Lynn Anne Lauriault, Instructor in Aboriginal Education and ACCESS Programs is leading the preparations for national accreditation from the Council for the Advancement of Native Development Office (CANDO) for the Community Development/ Community Economic Development Program.

Dean, Marti Ford; Aboriginal Student Support and Community Relations Director, April Krahn; and Corporate Training Manager, Darlene Bouvier met with Chief Adrian Sinclair and council members from Lake St. Martin to discuss training needs for Lake St. Martin as they move and re-build their community after the flooding. Contract training, on-campus and community based programs were discussed. And as a result, over 60 people came to RRC to learn about the various programs we offer.

Dean, Marti Ford was honoured by the Aboriginal Circle of Educators with a Trail Blazer Lifetime Achievement Award for her work in Aboriginal Education.

GAKINA AWIIYA: WE ARE ALL RELATED
This May 2012 event, hosted by RRC's Aboriginal Student Support & Community Relations, celebrated two-spirited members of the Aboriginal community.
RED RIVER COLLEGE

Cheyenne Chartrand, the Exchange District Campus Aboriginal Counsellor organized, "Standing Tall" - A day dedicated to our Stolen Sisters. It was an information day with presentations focused on missing and murdered women in Manitoba, education and prevention. There were 52 participants including staff and students from RRC, Urban Circle, Yellowquill College and Eagle's Nest Women's Resource Centre.

The School of Indigenous Education hosted: Celebrating Inuit Art and Culture. The all-day event included two formal presentations by Frederick G. Ford on the history, art, and culture of Inuit people. In addition to viewing an extensive art and artifacts collection, attendees were able to sample traditional foods.

For the 10th year, Manitoba First Nations Education Resource Centre held their Aboriginal Science Fair at the Notre Dame Campus.

The Manitoba government announced that funding of $400,000 was being allocated to RRC for the Mobile Training Labs for the next four years.

The School of Indigenous Education hosted the 12th Annual Graduation PowWow to honour RRC's Aboriginal graduates.

The number of students registering for courses at the ALC – NDC increased to 212 students taking 406 courses.

There were 43 graduates from the Adult Learning

Centre in Steinbach, 21 graduates from the Winkler Campus and 21 graduates from the Notre Dame Campus in Winnipeg who received their Mature High School Diploma. Twelve students also received an Introduction to Business Certificate from the ALC located at the Notre Dame Campus.

Donna Wilson, Manager of the Winnipeg ALC was invited to be a panelist for a workshop sponsored by Pearson Education. The topic of the workshop was "College and Career Readiness in English and Mathematics". Donna focused on College Mathematical Readiness and teaching methodologies that support student achievement such as incorporating classroom activities which provide for a high level of student engagement and student active learning practices.

The RRC ALC in Winnipeg developed a placement tool in both English and Mathematics. These tests enabled instructors to assess and place students according to skill levels and thus shorten the time needed to gain high school credits. These placement tests worked well and several students demonstrated skills beyond what their high school transcript indicated so they were placed in more advanced courses as a result.

Student Notable Achievements

Numerous students received scholarships and awards through local and national programs from organizations such as the Helen Betty Osborne Memorial Foundation, the Business Council of Manitoba, Manitoba Hydro, Canada Post and the National Aboriginal Achievement Foundation.

The 2011-12 Convocation Gold Medal Award winners were:

- **Ashley Atatise** *Aboriginal Self-Government Administration*
- **Molly Jacklyn Dunbar** *Community Development/ Economic Development*
- **Courtney H. V. Tait** *Computer Applications for Business* •

ACCESS Model Programs

The ACCESS Model Program is designed to provide admission to specific Red River College programs for individuals who would not otherwise have the opportunity to attend College because of social, economic or cultural factors; formal education; or geographical location (inaccessibility to post-secondary institutions).

The ACCESS Model Program offers entry into the following programs:

- ACCESS Aircraft Maintenance and Manufacturing
- ACCESS Business Administration Integrated
- ACCESS Civil Engineering Technology
- ACCESS Nursing
- Other - Students accepted into other regular Red River College day programs can apply for funding and/or other support services through the ACCESS Program office providing they meet the basic criteria.

ACCESS Supports

The ACCESS Model Program promotes student success by providing academic supports, personal support/ counselling and financial support.

Aboriginal Education Programs
Aboriginal Language Specialist
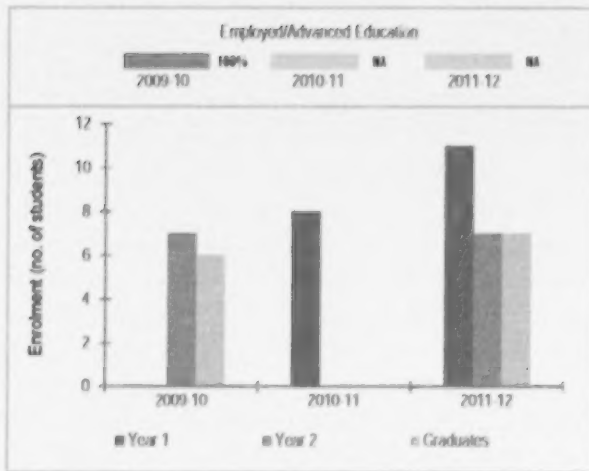
Two-year diploma program

The Aboriginal Language Specialist program is designed to train students in Aboriginal language instruction, Aboriginal language planning, and interpreting and translation.

This program trains fluent Algonquian speakers (Cree, Ojibwe, Oji-Cree and Michif) in translating and interpreting in a variety of settings. Students interested in or familiar with an Algonquian language can further their skills.

Aboriginal Self-Government Administration
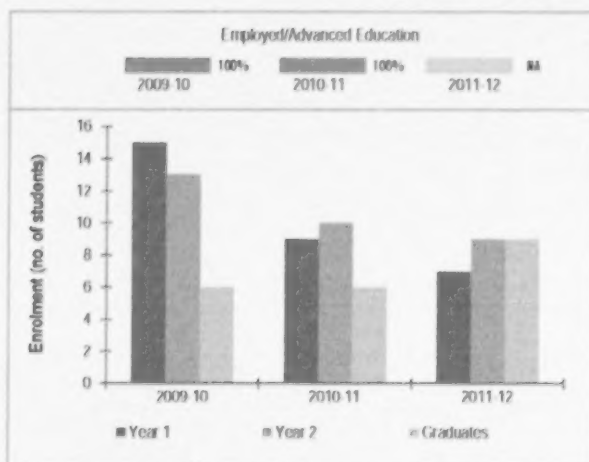
Two-year diploma program

This program provides training for Aboriginal students in the Aboriginal self-government process. Training is provided in all the fundamental aspects of the self-government process, including knowledge of political systems, traditional and existing models of self-government, and the skills associated with administration, finance, management and policy analysis.

Academic Development Programs
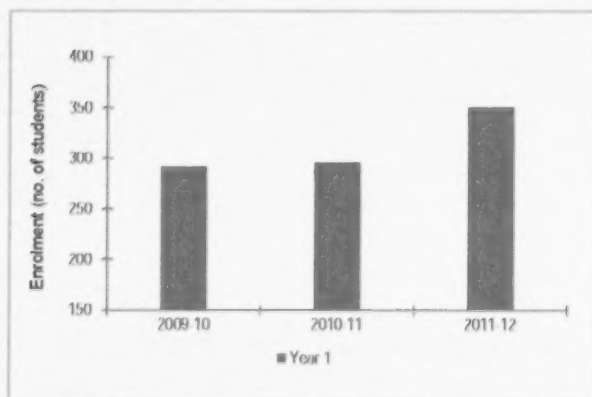
Adult Learning Centre certificate programs

Academic Development Programs upgrade students' academic skills in mathematics, English, and physical science, and provide an introduction to computers. Students normally take only those courses necessary to qualify for admission to college programs.

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Biindigen College Studies

One-year certificate program

This program assists Aboriginal students to achieve the appropriate prerequisites and skills to transfer into other College programs of their choice. One of the mandates of this program is to support the incorporation of Aboriginal perspectives into the curriculum content. The College strives to nurture the academic, spiritual, physical and emotional needs of students to assist them in achieving balance during their academic training and in other areas of their lives outside of the College environment. Students take credits to be transferred into other College programs, however, in addition to the regular program offerings, Biindigen College Studies' courses are registered as dual credits so students can also graduate with a Mature High School Diploma.
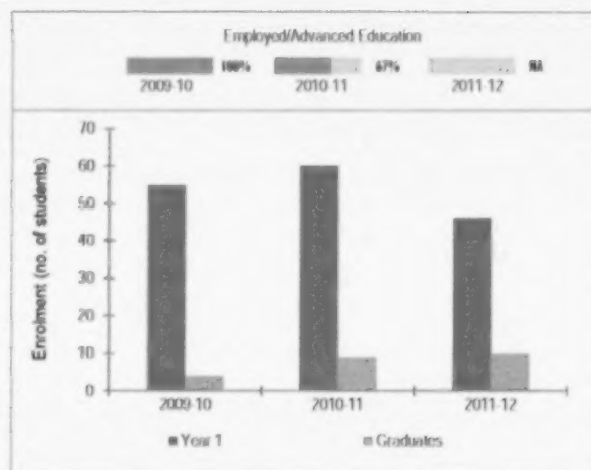
Community Development/Economic Development (CD/CED)

Two-year diploma program

This program offers opportunities for people to develop skills to work in community development in the inner city. Graduates will have the knowledge and skills to strengthen community-capacity building and focus on the strengths of individuals and communities.
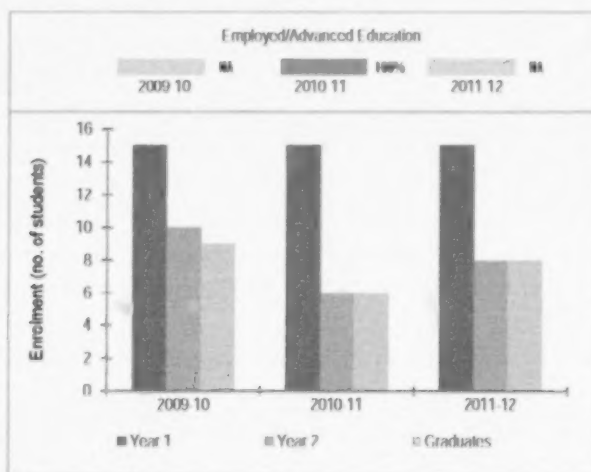
Computer Applications for Business

Two-year diploma program

The Computer Applications for Business program teaches students to use relevant Microsoft Office technology, prepare accurate business correspondence, communicate effectively and professionally in business environments while respecting cultural diversity, develop problem solving, decision making and management skills, and manage change while balancing professional and personal responsibilities.

Note: The name of this program was changed from Information and Office Administration to Computer Applications for Business in 2007-08.

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Introduction to Business

Enrolment (no. of students) — bar chart
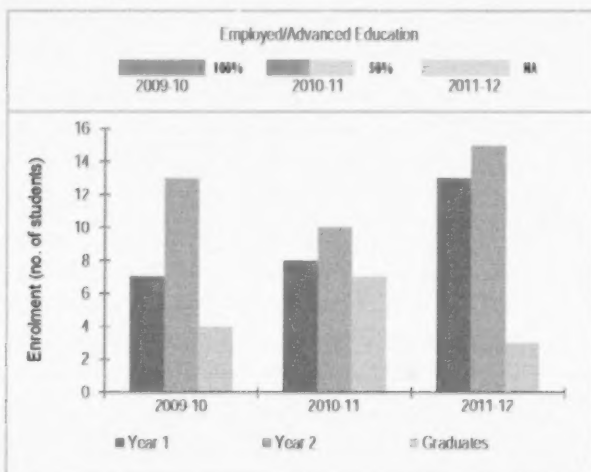
	2009-10	2010-11	2011-12
Year 1			
Graduates			
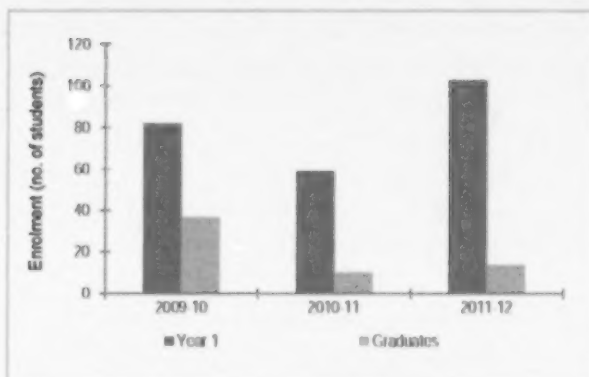
Five-month Adult Learning Centre certificate program

The purpose of this program is to prepare students for entry into selected programs in the business and applied arts and sciences area by developing their skills in communications, business mathematics, the fundamentals of Canadian business, and computer fundamentals. Students will have the opportunity to acquire the study and information technology skills that will enhance their success in an academic setting. Students will obtain advanced credits in the first term of the selected programs.

Introduction to Trades

Employed/Advanced Education

2009-10	2010-11	2011-12
NA	100%	NA

Enrolment (no. of students) — bar chart

■ Year 1   ■ Graduates
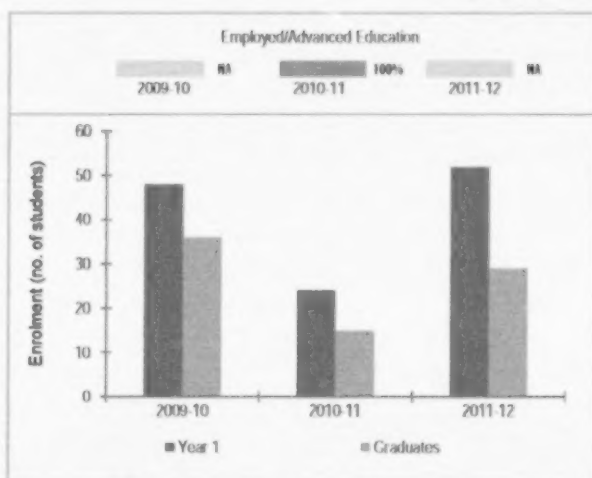
Five-month certificate program

This program is designed to introduce Aboriginal students to and prepare them for entry into existing RRC trades programs. The trades programs include Automotive Technician - Certificate, Carpentry and Woodworking, Electrical, Manufacturing Technician, Outdoor Power Equipment Technician, Piping Trades, Precision Metal Manufacturing, and Welding.

The School of Indigenous Education hosted the 12th Annual Graduation Pow Wow, honouring the achievements of Aboriginal graduates

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School of Transportation, Aviation & Manufacturing

Dean Don MacDonald
Room A138, Phone: 204-632-3990,
Email: dmacdonald@rrc.ca

This School comprises three departments: Mechanical, Manufacturing and Communications; Transportation and Heavy Apprenticeship Trades; and the RRC Stevenson Campus Aviation and Aerospace. The School provides trades and technology education and occupational training to support the Manitoba economy. The training is offered through apprenticeship, certificate, diploma and advanced diploma programs and customized training for industry. The related communications, welding and supervisory management courses for all trades are also delivered by this School. The School is active in applied research working with industry.

School Highlights

The NACAT (North American Council of Automotive Teachers) conference was held at RRC, with 174 attendees from as far away Hawaii, California, Pennsylvania, Mississippi and Texas as well as from all Canadian provinces..

RRC supported a Skills Manitoba fundraising project by building a Factor 5 33 Coupe kit car. All automotive students were involved in the build. The tickets for this car were drawn on September 18, 2012.

Neil Lavoie, Chevy Peters, and Bill Fuller instructed activities for 600 middle years students at the AAIM (Aerospace and Aviation In Manitoba) day held at the Winnipeg Stevenson Campus.

The MET department participated in the TEC (Technology Exploration Camps) in July, working with the students to build mousetrap powered cars and model catapults.

A number of new welding and robotic systems were installed at the Centre for Aerospace Technology and Training (CATT) and RRC Notre Dame Campus as part of the Phase 2 expansion of the facility.

A formal proposal for an RRC-hosted Technology Access Centre pilot project focused around innovation in aerospace and manufacturing was submitted to NSERC in August 2011.

Leon Fainstein is leading a group of Mechanical Engineering Technology students in the building of a solar powered motorcycle.

Leon Fainstein is working with Sikorsky and Solid Concepts to test a new rapid prototyping process. Sikorksy is the manufacturer selected to provide the replacement for Canada's aging fleet of Sea King helicopters.

Fred Doern travelled to Columbus, Ohio in August 2011 to receive the American Society of Materials (ASM) Canada Council John Convey Award which was presented to RRC and Standard Aero for innovation in educational training partnerships at CATT (Centre for Aerospace Technology and Training).

Two cohorts of Jamaican students arrived to take one-year programs of study in Heavy Duty Mechanics and Automotive Service Technology.

The CCAA (Canadian Council for Aviation & Aerospace) performed audits on both the AME and Gas Turbine Repair and Overhaul programs.

Apprenticeship Manitoba has renewed the Level I Welder Certificate of Accreditation for the Pre-Employment Welding Program, extending the accreditation to December 2013.

The Stevenson Campus (Winnipeg) had 129 students attending aviation programs in January 2012, the highest enrolment recorded in its 10 years of operation.

David Kinasevych and Tim Farrell taught at the Shenyang Institute of Engineering in China as part of RRC's joint Power Engineering Technology program with that institution.

RRC's Heavy Equipment Transportation Centre

Staff Notable Achievements

Neil Cooke, Chair of Transportation and Heavy Apprenticeship Trades, was elected Vice-Chair of the Canadian Association of Automotive Educators (C.A.M.P.E.)

Gary van der Zweep attended the AME Symposium in Vancouver, delivering presentations on our aviation programs, including our Apprenticeship model. RRC is the only college in Canada to offer AME apprenticeship training

Bill Fraser was appointed the new Chairperson for the Aviation and Aerospace department (Stevenson Campus).

Student Notable Achievements

At the Skills Manitoba competition, Aircraft Maintenance Engineer students took the Gold (**Dylan Pereira**), Silver (**Erik Stowell**) and Bronze (**Zack Hart**) medals. Gold medals were also won in Welding (**Jerret Shulha**), CNC (**Yanzhe Yu**), and ManCAD (**Justin Allary**).

At the Skills Canada competition in Edmonton, Dylan Pereira from the AME program won Gold and will represent Canada in the World Skills Competition.

The 2011-12 Convocation Gold Medal Award winners were:

- **Matthew Bowditch** *Aircraft Maintenance Engineer*
- **Joshua Jan Henry Kervel** *Automotive Technician*
- **David Michael Kestirke** *Power Engineering Technology*
- **Daniel J. Peters** *Mechanical Engineering Technology* •

10th ANNIVERSARY AIR FAIR
Stevenson Campus: June 2, 2012

RED RIVER COLLEGE

Aerospace Manufacturing

Five-month certificate program

This program was developed through a collaborative effort between Boeing Canada, Bristol Aerospace, and Red River College. Students acquire the skills and techniques required in positions as skilled production workers in the area of aerospace composite manufacturing.
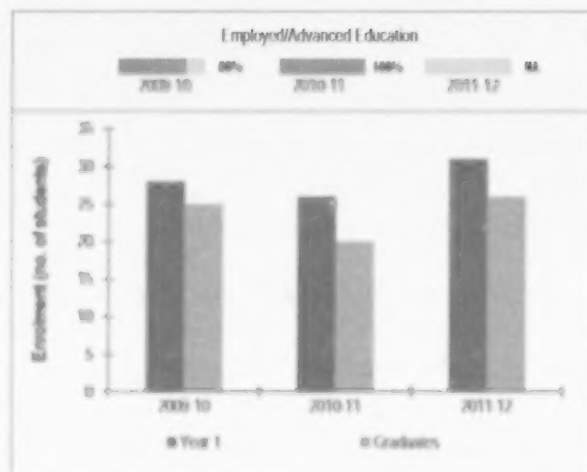
Aircraft Maintenance Engineer

Fourteen-month diploma program

The purpose of this program is to develop knowledge and skills in maintenance of both large and small aircraft, including fixed wing and helicopters, and to provide Transport Canada approved training toward an Aircraft Maintenance Engineer License. Potential employment opportunities across Canada include passenger and cargo air carriers, air charter companies, flight schools, and nationally approved Aircraft Maintenance Organizations (AMOs).
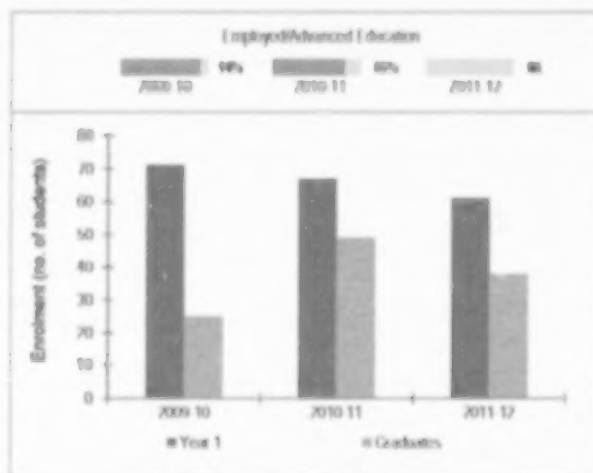
Automotive Service Education

64 week program

This program prepares potential automotive technicians for a career in the automotive field. Students spend 32 weeks in the College and 32 weeks with a sponsoring General Motors of Canada dealership. Upon successful completion of both the in-college and dealership training, and a two-year period of employment in a GM dealership, the graduate is entitled to write the Inter-provincial Standards Examination to qualify as a journeyperson.

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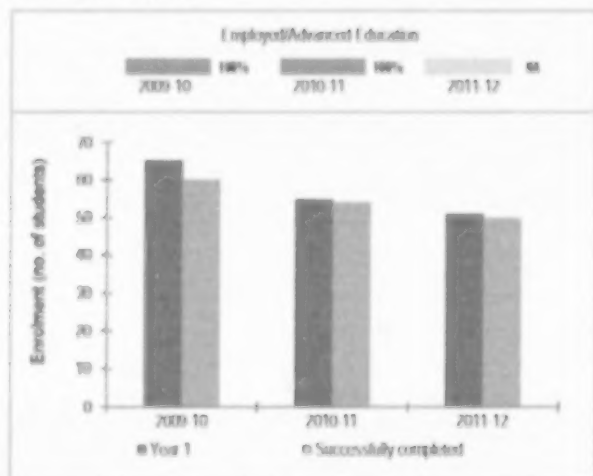
Automotive Technician - Certificate
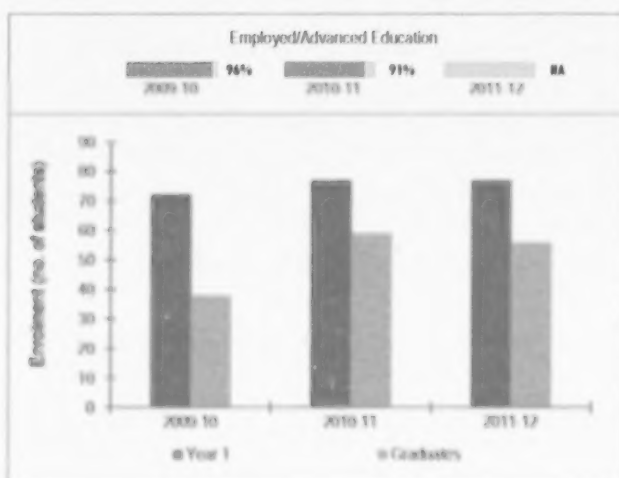
One-year certificate program

Students learn to disassemble, inspect, machine calibrate and reassemble motor vehicle units or components. Graduates find employment in service stations, dealerships, large corporations, farming communities and allied industries where they may work in service, repair, sales, or parts distribution.

Automotive Technician - Diploma
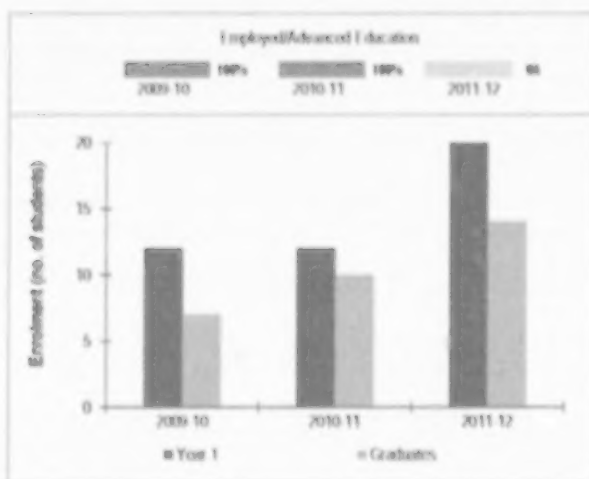
One-year diploma program

Students obtain the knowledge and skills needed to work in the motor vehicle electronic technician field. Graduates find employment in almost any vehicle repair shop. Entering students must have completed a 10-month Automotive Technician (certificate) program or have graduated with a Power Mechanics diploma from high school.

Collision Refinishing
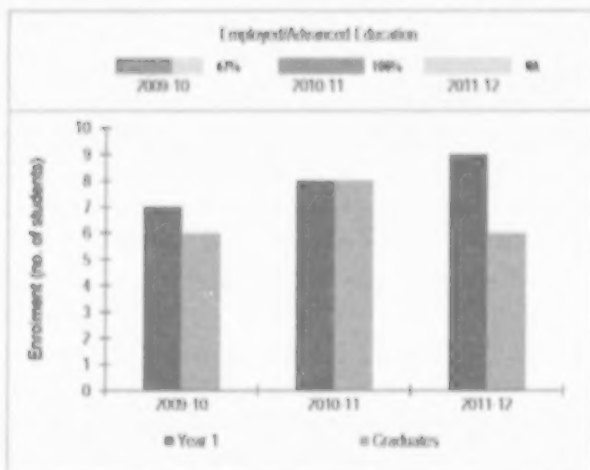
Four-month certificate program

This new program addresses industry concerns about the large shortage of skilled technicians needed to work in either Collision repair facilities or Commercial industries. This program is designed to develop the necessary trade skills and knowledge required to refinish damaged vehicles, refinish fleet vehicles and participate in other commercial applications.

Collision Repair and Refinishing

One-year certificate program

Graduates of this program possess the skills and knowledge required to repair damaged vehicles, including all phases of auto-body repair and painting. They have found employment as auto-body mechanics, metal finishers, painters, body-frame specialists, service or parts managers, machine operators, or service-station operators. Others are employed as claims adjusters, collision estimators or shop supervisors.
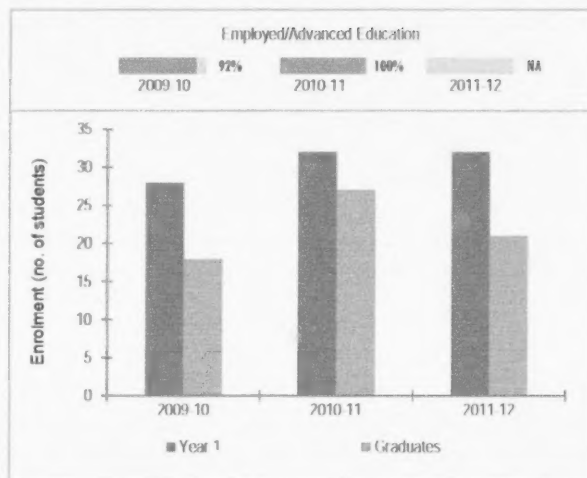
Heavy Duty Equipment Mechanic

One-year certificate program

In this entry-level program students develop basic knowledge and skills required to perform routine maintenance and repairs to vehicle systems and components. Students develop an understanding of the basic purpose, construction, operation and servicing of components, parts and assemblies of trade-related equipment. Graduates find employment in the agricultural, construction or transportation sectors.
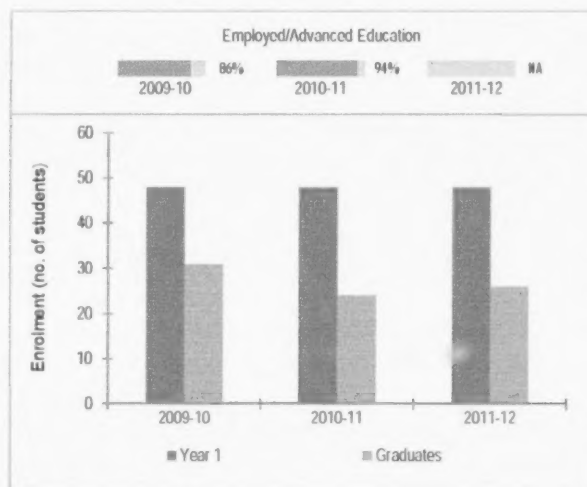
Introduction to Aircraft Maintenance Engineer

Four-month certificate program

In this program you will acquire the basic knowledge and skills in aircraft maintenance required for entry-level employment in the aircraft maintenance engineer industry. In-school instruction provides you with the entry-level skills necessary to service and maintain fixed and rotary-wing aircraft.

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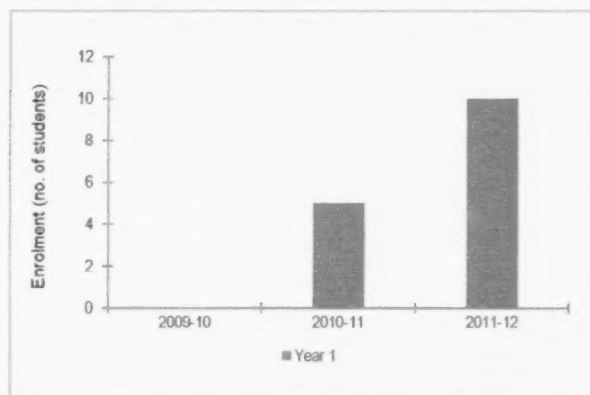
Manufacturing CAD
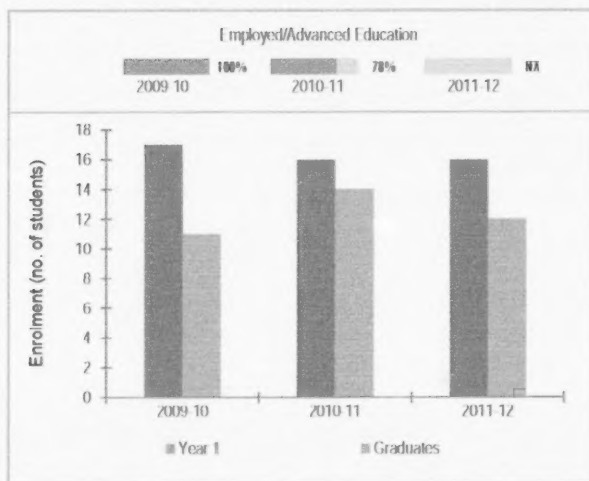
One-year certificate program

The program provides students with the skills necessary to produce computer-aided mechanical drawings of components and assemblies of industrial machines, machinery parts, and other mechanical equipment. Graduates are trained in the principles and applications of manufacturing design and production for careers engineering firms, consulting firms, manufacturing companies, utility companies, and aerospace and other industries that require mechanical/industrial technical skills covered with the scope of the Manufacturing CAD program.

Manufacturing Technician
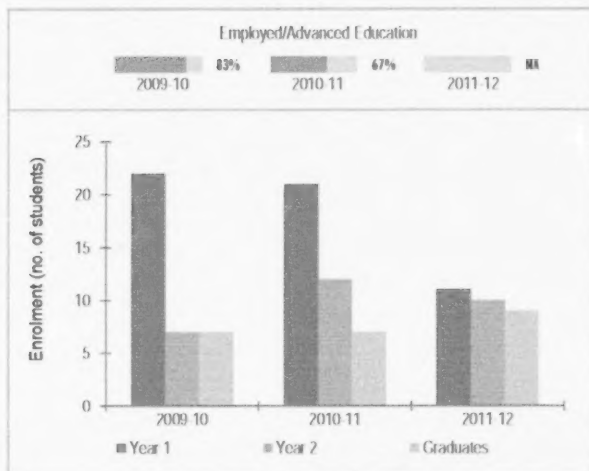
Two-year diploma program

This program provides students with an enhanced understanding of manufacturing processes and the relationship of these processes to the machining trade. Graduates possess skills in: cost estimation and process planning, computer operation, CAD/CAM basic tool and fixture design, as well as CNC machine operation and programming. Graduates find employment as CNC operators, machinists, toolmakers, quality assurance inspectors, manufacturing planners, prototype developers, technical sales persons and supervisors. *Note: Students who successfully complete Term 1 can graduate with a certificate in Machine Shop Practice - Basic. After Year 1 (Terms 1 and 2) students can earn a certificate in Computer Numerical Control (CNC) Machine Operator, or in Machine Shop Practice - Advanced.*

Mechanical Engineering Technology
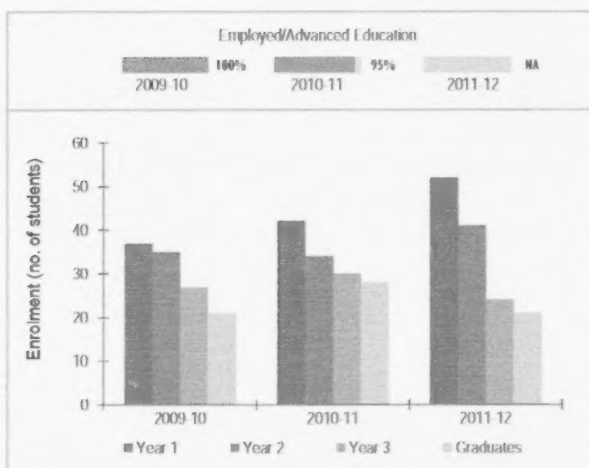
28-month co-op education diploma program

Students develop knowledge and skills in mechanical design, the production side of manufacturing and technical supervision. Graduates find employment in design, technical sales, manufacturing, instruction, research and management with companies involved in agriculture, mining, aerospace, air conditioning, refrigeration, transportation, foundries, fluid power, consulting engineering and government services.

Outdoor Power Equipment Technician

One-year certificate program

Students develop the skills and knowledge required for entry-level employment in the power equipment repair field. Graduates find employment with firms engaged in the sales or service of power equipment. Such firms may include agricultural equipment dealers, private power equipment sales and repair shops, rural agribusiness and various federal, provincial and municipal government departments.

Employed/Advanced Education

100%	80%	NA
2009-10	2010-11	2011-12
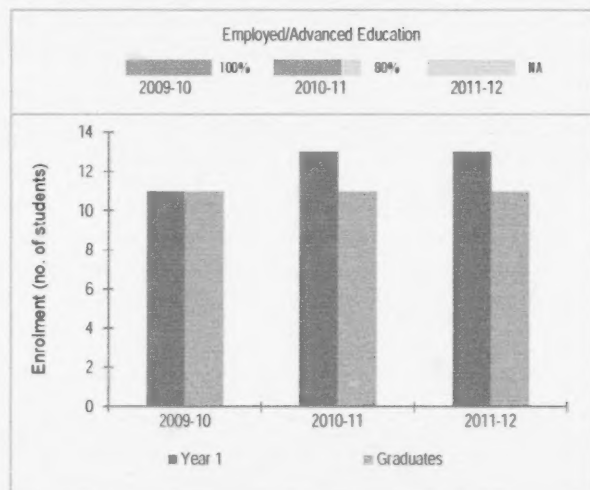
Power Engineering Technology

Two-year diploma program

This program develops knowledge and skills required for the safe operation of major equipment in commercial, industrial, and public buildings. It includes enhanced power engineering technical studies, particularly the power laboratory studies and field experiences, which is in alignment with the Manitoba and Inter-Provincial experience requirements for Power Engineers. Graduates achieve their Standardized (Inter-Provincial) 4th and 3rd Class Certificates. This program provides graduates with a start toward a 2nd Class Certificate, and prepares graduates for studies required for higher levels of Power Engineering.

Note: *This program also has a certificate exit point at the end of the first year. Certificate graduates can obtain Class 4 certification.*

Employed/Advanced Education

75%	90%	NA
2009-10	2010-11	2011-12
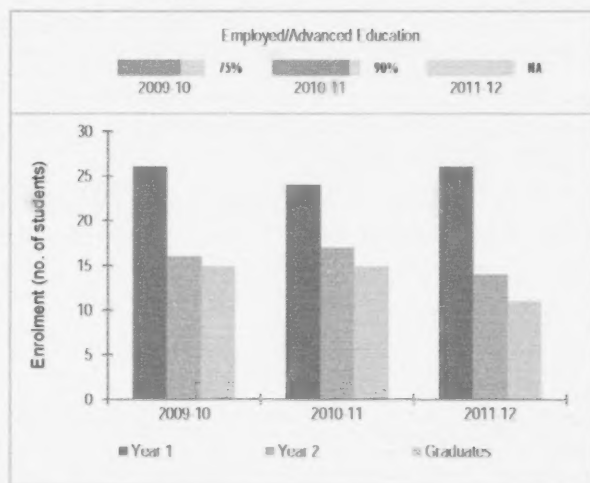
Precision Metal Machining

One-year certificate program

Precision Metal Machining is a pre-employment program designed for students wishing to pursue an apprenticeship career path as a machinist or enter the workforce as a CNC operator.

Graduates become competent in the following: applying safe and correct practices when handling tools and equipment: setting up and safely operating manual milling machines, lathes, and Computer Numerical Control (CNC) machining and turning centers; interpreting engineering drawings; applying geometric dimensioning to verify component parts; and using basic Computer Aided Design (CAD) software.

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Technology Management

Employed/Advanced Education

100%	50%	NA
2009-10	2010-11	2011-12

Enrolment (no. of students)
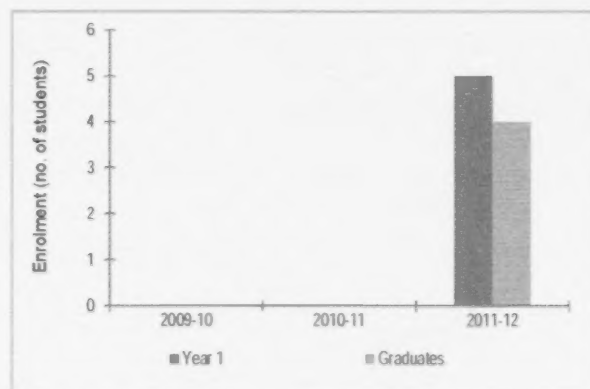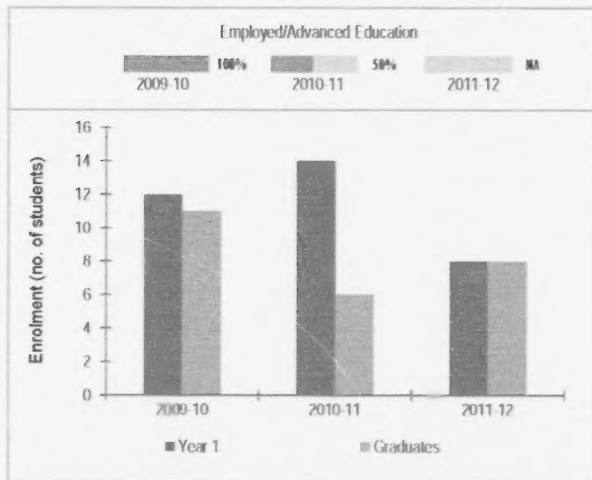
■ Year 1   ▦ Graduates

One-year advanced diploma program

This program is specifically targeted to graduates with technical diplomas and degrees. It provides an opportunity to complement graduates' technical skills with equally important managerial skills in areas such as corporate finance and accounting, project management, marketing strategy, and human resource management. The program provides technologists and others with the knowledge, skills, and abilities required for their roles as supervisors and managers in technical organizations, obtains recognition for the Technology Management program from professional organizations, and creates opportunities for technologists and others to earn advanced credentials in Technology Management.

Welding

Employed/Advanced Education

100%	83%	NA
2009-10	2010-11	2011-12

Enrolment (no. of students)

■ Year 1   ▦ Graduates
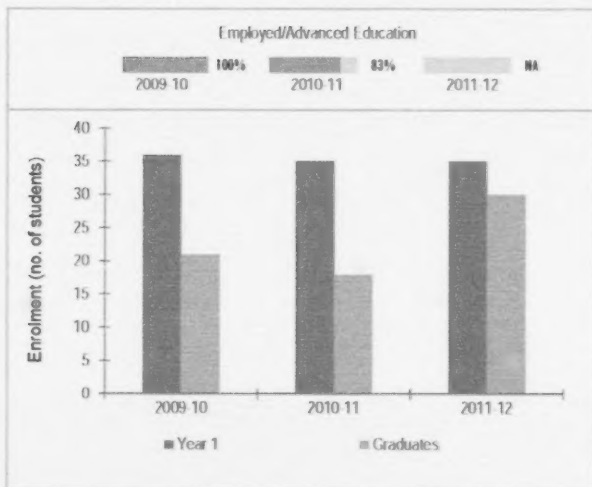
Seven-month certificate program

Students learn to perform the oxy-acetylene, arc, tungsten inert gas and metal inert gas welding processes and related operations safely and effectively. Some graduates have found employment in aircraft maintenance, in the manufacturing of farm equipment and in heavy equipment repairs. Other graduates are employed in highway construction, northern mines and hydro-electric power plants.

Welding Instructor, Gary McCallum gives middle school students a welding demonstration during the 3rd annual Youth-in-Manufacturing Expo

School of Learning Innovation

Interim Dean Paddy Burt
Room CM30A, Phone: 204-632-2232,
Email: pburt@rrc.ca

This School provides both educational programs and comprehensive teaching and learning support services. In addition to having the provincial mandate to prepare public school teachers in the areas of Industrial / Vocational and Business Education and to prepare College instructors through the Certificate in Adult Education (CAE), the School provides supports such as content expertise and research capacity through Library Services; faculty development through the CAE program and an annual series of workshops; curriculum design leadership and facilitation through the Program and Curriculum Development department; and, content production and program delivery systems through the Learning Technologies areas. The School also manages the Program Innovation Fund which is used to support the continual enhancement of academic programs by funding innovative projects which are not covered by operating budgets. This report covers the achievements of the Teacher Education department, the only area within the School that provides academic programming.

School Highlights

The International Benchmarking Conference was held at the Exchange District Campus in March 2012. Teacher Education students in the ICT course created publications employing their ICT skills, organized events, and moderated sessions for international education speakers from Finland, Singapore, Taiwan, Hong Kong, Australia and the United Kingdom. These educators came to Winnipeg to join Canadian and American presenters to share insights into education in their respective countries. The featured countries do very well on international comparisons such as the Programme for International Student Achievement (PISA) and Trends in International Mathematics and Science Study.

Eva Brown's project "Building Global Opportunities Together--Anywhere, Anytime" was selected as one of only six projects from Canada – and 130 from around the world – to be showcased at Microsoft Partners in Learning's Global Forum in Washington. The project, entitled, was developed under Microsoft's Innovative Teacher initiative.

Eva Brown's project was showcased at the Microsoft Partners in Learning's Global Forum

During the Global Education Conference in November 2011, Business/Technology Teacher Education students collaborated with students from the University of Northern Iowa in the Flat Classroom Projects – Eracism and Flat Classroom Technologies – as mentors/expert advisors, technology support, and judges of the video artifacts created by students in these global projects. They then presented to a global audience about their experiences and reflections of their involvement in the projects at the Global Education Conference. The Global Education Conference is a collaborative, inclusive, world-wide community initiative involving students, educators, and organizations at all levels. It is designed to significantly increase opportunities for building education-related connections around the globe while supporting cultural awareness and recognition of diversity. Last year's conference featured 340 general sessions and 18 keynote addresses from all over the world with over 10,000 participant logins.

The department hosted the first annual Celebration of Excellence event at the Roblin Centre on June 26th. This event was a perfect opportunity to highlight the "Creating a Tradition" project that had our students design, cast and finish their own graduation rings. This project involved four of the Industrial Arts Teacher Education staff members, Gord Price, Bernie Taronno, Andy Kozlowski, Ron Budowski along with the fifth year Industrial Arts students. Students gained experience in problem solving in Technology Education, 3D design experience in Graphic Communications, 3D applications using Rhino Software and CNC wax pattern cutting in Power & Energy and Lost Wax casting and Jewelry Finishing in Manufacturing.

Manitoba Teachers' Society
2012 Award Winners
Teacher Education, Red River College

David Rew
Paul Little
Kurt Proctor
Maribeth Tanabera
Jeff Lesage
Steven Potter
John Sobkovich

John Sobkovich - Aboriginal
Steven Potter- Technical Vocational
Jeff Lesage - Business Technology
Maribeth Tabanera - Industrial Arts

Staff Notable Achievements

Eva Brown completed the Emerging Technologies Certificate, focusing on Open Source Content, Connectivism, Mobile Platforms, Virtual Worlds, Instructional Design, Emerging Technology Tools.

Student Notable Achievements

In June 2012, twenty-seven students completed their Diplomas in Teacher Education. Business Technology had four graduates, Industrial Arts/Technology had fourteen graduates and Technical Vocational had nine graduates who are certified to teach in the Province of Manitoba.

Students selected for the 2012 Manitoba Teachers' Society Awards included John Sobkovich for the Aboriginal Award; **Steven Potter** for the Technical Vocational program; **Jeff Lesage** for the Business Technology program; and **Maribeth Tabanara** for the Industrial Arts program. These graduates are selected by faculty based not only on GPA, but also the student's relationship with faculty, their commitment to community and their contribution toward the learning and support of their peers.

The 2011-12 Convocation Gold Medal Award recipient was: **Lisa Lynne Place** – Teacher Education (Technical Vocational) •

Business/Technology Teacher Education

Five-year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

The Business Teacher Education program develops knowledge and skills in general business, accounting, marketing and secretarial; including technical skills in computer applications, word processing and computer accounting; and teaching methodology in business. Successful completion of the five-year program results in a Bachelor of Arts degree and a Bachelor of Education degree from the University of Winnipeg, as well as a diploma in Business Teacher Education from RRC. Graduates are eligible for a Permanent Professional Teaching Certificate from Manitoba Education and Training which allows them to teach in secondary schools in Manitoba.
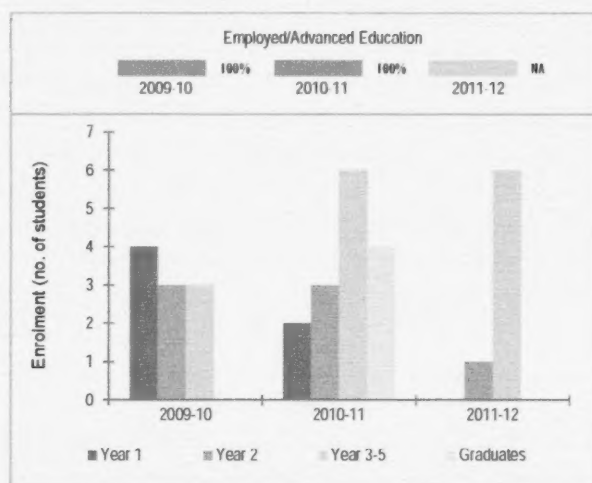
Business/Technology Teacher Education - After Degree

Two-to-three year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

The After Degree Teacher Education program is a two-to-three year joint Bachelor of Education degree with the University of Winnipeg for holders of an undergraduate degree. Emphasis in the RRC portion of the program is directed at developing the technical knowledge and skills in business, combined with teaching methodology, required for the teaching major in business education. Graduates are eligible for a Professional Teaching Certificate from Manitoba Education and Training, which allows them to teach in secondary schools in Manitoba.
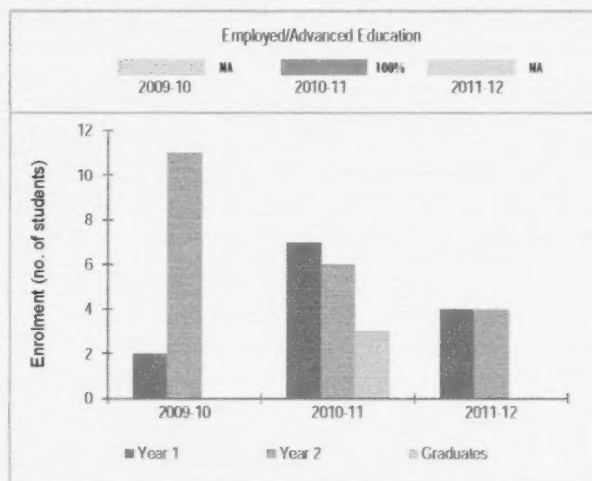
Industrial Arts/Technology Teacher Education

Five-year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

This program develops knowledge and skills in manufacturing, power and energy, graphic communications and construction; including computer applications, and teaching methodology in industrial arts and technology education. Successful completion of the five-year program results in a Bachelor of Arts degree and a Bachelor of Education degree from the University of Winnipeg, and a diploma in Industrial Arts Teacher Education from RRC. Graduates are eligible for a Permanent Professional Teaching Certificate from Manitoba Teacher Education and Training which allows them to teach in secondary schools in Manitoba.
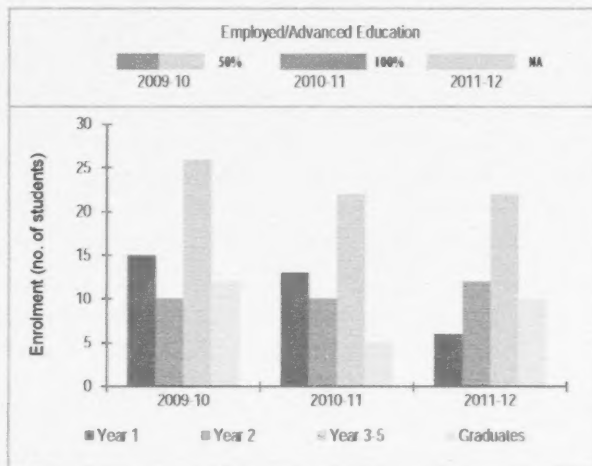
Industrial Arts/Technology Teacher Education - After Degree
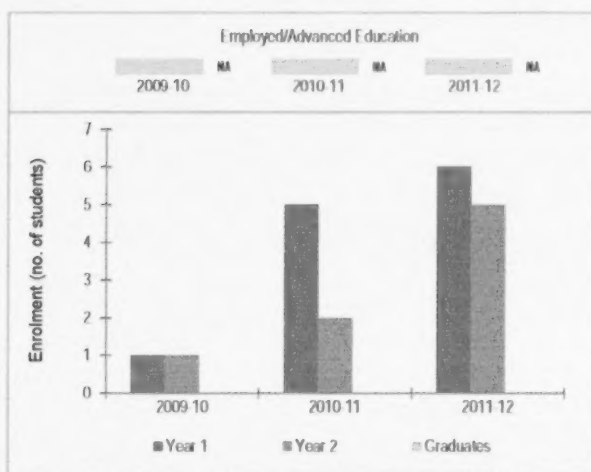
Two-to-three year Bachelor of Education degree delivered jointly by RRC and the University of Winnipeg

The After Degree Teacher Education program is a two-to-three year joint Bachelor of Education degree program with the University of Winnipeg for holders of an undergraduate degree. Emphasis in the RRC portion of the program is directed at developing the technical knowledge and skills in industrial arts/ technology, combined with teaching methodology, required for the teaching major in industrial arts/ technology education. Graduates are eligible for a Professional Teaching Certificate from Manitoba Education and Training, which allows them to teach in secondary schools in Manitoba.

Technical Vocational Teacher Education
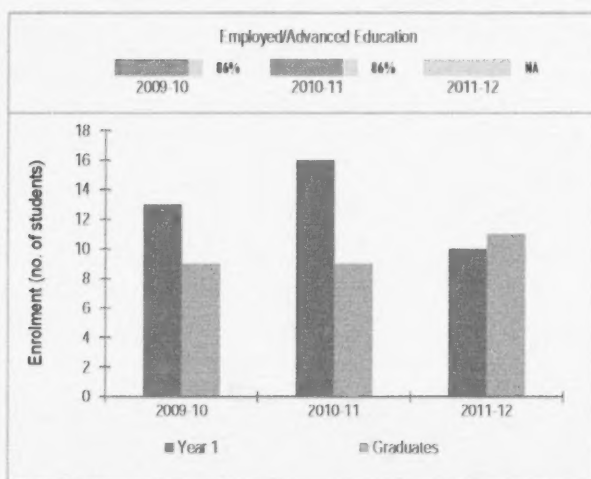
One-year accelerated diploma program

This program provides the knowledge and skills required for certification by Manitoba Education and Training. Graduates are eligible for a Permanent Special Vocational Industrial Teaching Certificate from Manitoba Education and Training which allows them to teach in their vocational area in secondary schools in Manitoba. The program makes up the first three years of the five-year Joint RRC/ University of Winnipeg Bachelor of Education Degree with a major in vocational education. Graduates find employment in teaching positions in high schools offering vocational industrial programs and in community colleges.

School of Continuing Education

Dean RaeAnn Thibeault
Room C118, Phone: 204-632-2481,
Email: rthibeault@rrc.ca

The School of Continuing Education (CE) facilitates learner success by developing and delivering quality, innovative lifelong learning opportunities.

The School of Continuing Education (CE) is part of the Community Development Division. All courses and programs are offered on a cost recovery basis. One integral element to our success is our responsiveness to labor market needs. Our delivery of programs in a variety of ways helps make education more accessible and convenient for all learners. We welcome inquiries from industry and are pleased to develop solutions - full-time, part-time, distance education and customized corporate training - to meet industry needs.

School Highlights

The School of Continuing Education offered the following full time programs from July, 2011 to June, 2012: Applied Counseling, Health Unit Clerk, Legal Administrative Assistant, Occupational Health & Safety, Administrative Assistant, Educational Assistant, Medical Device Reprocessing, Professional Photography, Recreation Facilitator for Older Adults, Residential Decoration, 5th Class Power Engineering and Railway Conductor. Full time cost recovery programs demonstrated the largest enrolment to-date at greater than 400 students.

The School of Continuing Education hosted a meeting at the Roblin Centre for Red River College and the Alliance of Manitoba Sector Councils. The attendees included representatives from Red River College, The Alliance of Manitoba Sector Councils, and Industry Workforce Development. The meeting was called to explore ways for Red River College and the Manitoba Sector Councils to develop strategies on how to work together to achieve a common goal for a strong Manitoba workforce.

Continuing Education Full-time Enrolments
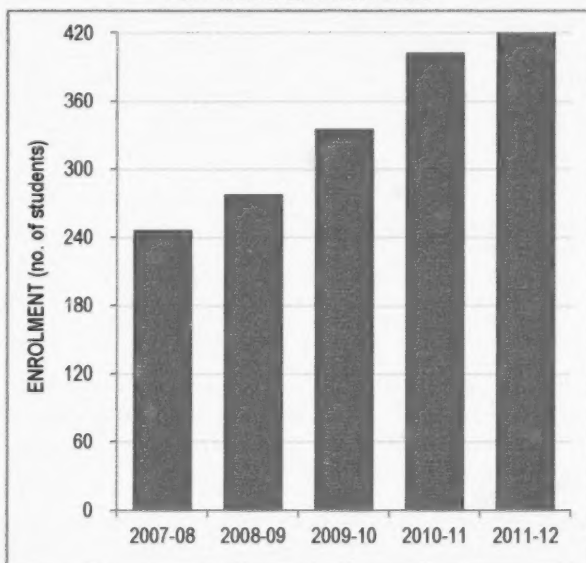
Continuing Education Part-time Enrolments
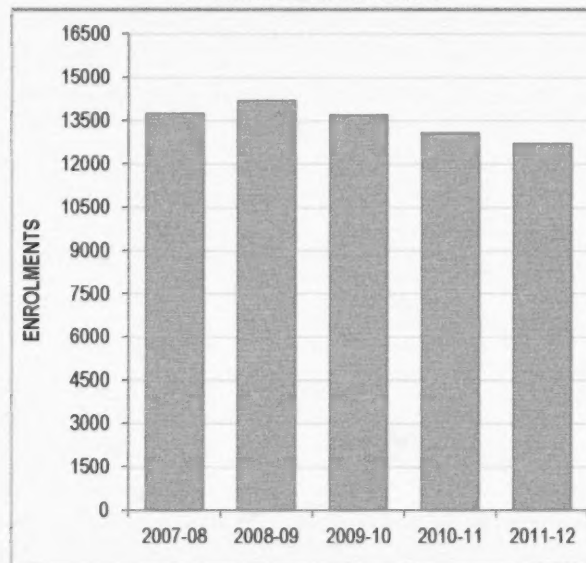
CE won for Most Informative Booth as one of the Open House Spirit awards recipients at the RRC Open House.

An "Excellence in Action: Establishing our Customer Service Standards" workshop with facilitator, Michele Gervais, from Visioning in Action was held for CE staff. The workshop provided a framework for establishing customer service standards.

Three of CE's customer service representatives (CSRs) attended a one day workshop on ALLY Training and are now certified ALLY's.

The *Information Technology* area established an industry steering committee to identify the need for SAP training in Manitoba. SAP is one of the world's most widely deployed enterprise resource software systems.

The Information Technology area applied for and received approval to become a Prometric Testing Centre. Prometric allows the college to offer a range of industry certification exams notably PMI's Professional Project Manager (PMP) certification and Microsoft's Technology Specialist exams.

The Information Technology area applied for and received approval to become a Pearson Testing Centre. Pearson allows the college to offer a range of industry certification exams and notably Cisco's Certified Network Analyst (CCNA) as well as CompTia (+ exams).

The *Health* area formed a subcommittee of Manitoba's Health Care Provincial Facility Support Sector Advisory Committee to explore options to enable individuals in rural regional health areas to complete the new Medical Devices Reprocessing certificate. RPL will be significant as a means to facilitate the completion of the certificate.

The Senior Academic Committee (SAC) approved the new Funeral Director and Embalmer Certificate Program to be delivered part-time through distributed learning methods.

A Registered Nurse (RN) Prescriber Education Initiative steering committee has been formed in conjunction with the College of Registered Nurses of Manitoba. The committee provides guidance in the development of an education program for registered nurses who will have the authority to prescribe specific medications related to Travel Health and Reproductive Health once the new Health Professionals Act has been passed. The RN Prescriber curriculum framework developed by RRC was reviewed by the College of Registered Nurses of Manitoba. Further content development is now proceeding.

A total of 113 participants in Manitoba and Saskatchewan participated in the First Nations community based train the trainer sessions for the Health Empowerment for You course for the Coalitions Linking Action and Science for Prevention (CLASP) project.

The first distance delivery course in the Health Services Leadership and Management certificate program was delivered to 17 students from Regional Health Authorities in Manitoba. A second program intake also started in September.

Trades, Transportation, Industrial, and Environment (TTIE) met with all Canadian colleges providing Railway Conductor training (BCIT, SAIT, Confederation and George Brown), Railway Association of Canada, (RAC), CN, CP, Via Rail and several short- line railways at BCIT campus. The discussion focused on the RAC curriculum and collaboration among colleges.

The Railway Conductor program was featured in the 2012 Maclean's Guide to Canadian Universities.

RRC Continuing Studies alum, Scott Hinkson (second from right) was honoured by RRC and Project Management Institute Manitoba

The magazine concentrates on universities, but included a couple of articles on colleges offering unique and interesting programs.

The *Applied Arts* portfolio completed needs assessments for cost recovery programs in Radio and Audio production and Payroll Administration, and a set of supervisory workshops were developed for joint delivery with Film Training Manitoba.

The *Business and Management* portfolio established the occupational standards for the Inside Sales/ Warehouse Technician program and developed a schedule for industry validation of the standard.

Corporate Solutions provided training services for many industries including: Boeing Canada Technology and the Canadian Manufacturers & Exporters (CME). They also began delivery of the Medical Radiologic Technologist Cross Training (MRTx) program. In addition, Corporate Solutions delivered several training sessions to welders from Hutterite communities to facilitate their attainment of industry recognized qualifications. All 10 students successfully completed their testing with Manitoba Apprenticeship, the Canadian Welding Bureau and Manitoba Labour.

Community Services, Infant/Toddler Post Diploma and the Studies in Aboriginal Child Care Post Diploma certificate programs were both granted recognition by Child Care Education Program Approval Committee, CCEPAC, to December 2012. The recognition means that graduates of these two programs are eligible to apply for Early Childhood Education III classification.

Staff Notable Achievements

Rodney S. Braun, a Professional Photography instructor with RRC's School of Continuing Education, launched a new exhibit that's partially inspired by Newton's laws of motions. The exhibit, called Airborne, was shown at Pixels 2.1 Gallery, located at 217 McDermot Ave. Rodney also won two awards (Best Portrait and Best Commercial Image) from the Professional Photographers of Canada.

Linda Ament received the School of Continuing Education Teaching Excellence Award for Distance Education and Wally Peech received the Teaching Excellence Award for Continuing Education.

New Administrative Assistant advisory committee member, **Polly Okane**, from Manitoba Hydro announced two $500 awards for Aboriginal students based on academic performance.

New Brunswick resident, **Nicole Drapeau**, is the first person in Canada to graduate from the Recognition of Prior Learning program.

Penny Scott-Mazur, residential decorating instructor, donated her design skills to L'Arche Winnipeg in the development of L'Arche Café, a new restaurant staffed by L'Arche clients. The restaurant will promote interaction between the public and those with developmental disabilities. •

RRC Continuing Studies Instructor, Ursula Neufeld, helped create the community arts project mosaic at Red Road Lodge

Administrative Assistant
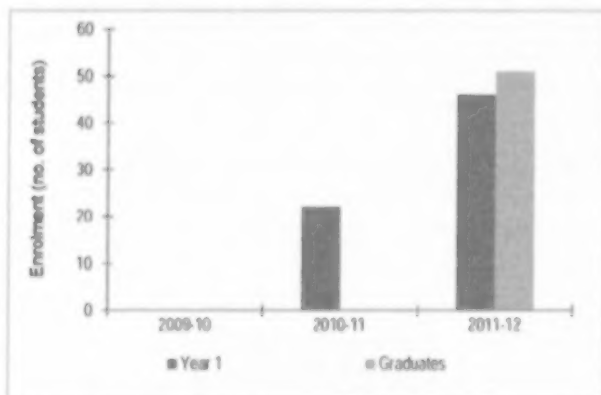
CE full-time certificate program

This program focuses on the administrative and technical skills needed to meet the demands of the current and emerging office environment. The program provides both the theory and practice needed to succeed in an entry-level administrative position.

After successful completion of the program students will be knowledgeable in business office software, administrative procedures, communication, teamwork, and problem-solving.

Applied Counselling
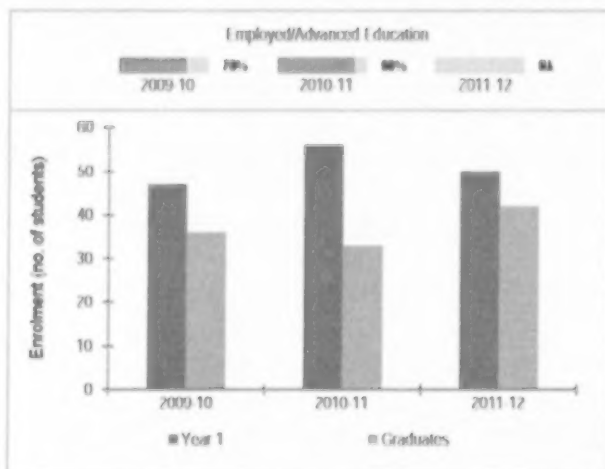
CE full-time certificate program

Students develop proficiency in basic counselling skills for use in working with children, adolescents, and families. Skills in cross-cultural counselling will be developed, and legal/ethical issues studied. Graduates will be qualified to provide entry level counselling in areas such as domestic violence, chemical dependency, substance abuse, and gender issues.

Educational Assistant
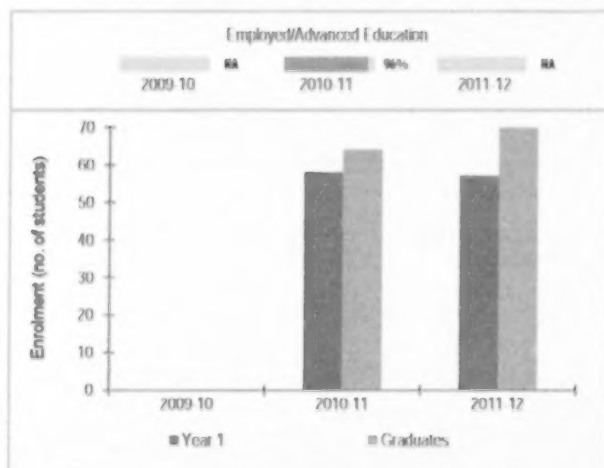
CE full-time certificate program

This program provides skills required for a career working with students in an educational setting to support the work of the teachers and clinicians.

Students will study and explore the developmental needs of children, as well as the instructional strategies to meet those needs. There is a focus on a variety of relevant topics ranging from inclusive education and learner characteristics to supporting the learning environment, managing behavior, and professionalism.

Health Unit Clerk

CE full-time certificate program

Students acquire the knowledge and skills required to function as part of the health care team and learn the roles and responsibilities of a Health Unit Clerk including maintaining patient and unit records, processing physician orders, diagnostic and laboratory orders and managing unit supplies.
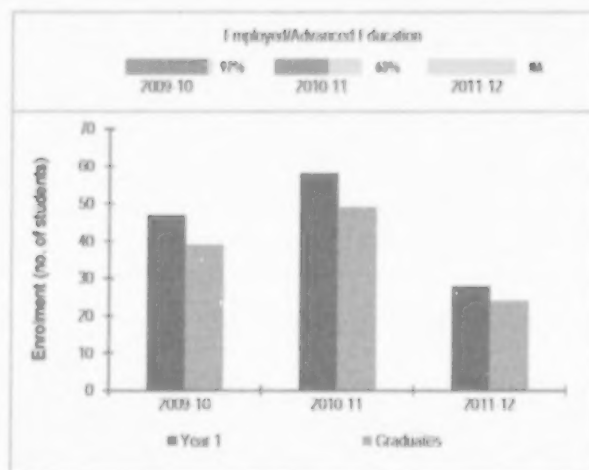
Legal Administrative Assistant

CE full-time certificate program

Students acquire the knowledge, skills and attitudes to perform effectively in a junior administration position in a legal environment and learn to professionally prepare legal documentation for real estate, wills and estates, civil litigation, domestic and family law, business and appeals.
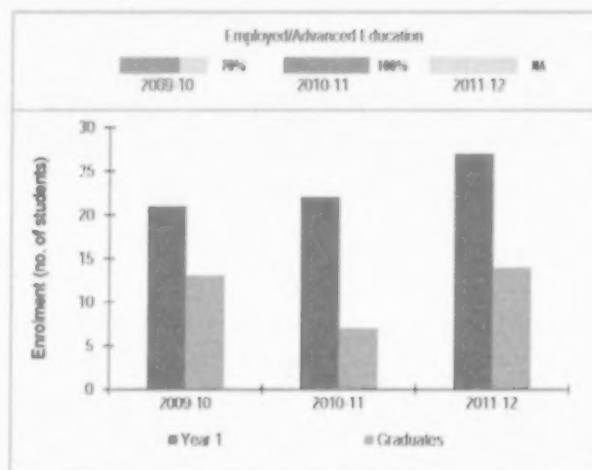
Medical Device Reprocessing Technician

CE full-time certificate program

This program provides the knowledge and technical skills required for a career as a medical device reprocessing technician (MDR). Students learn both theory and practical components related to the decontamination, cleaning, processing, assembly, sterilization, storage and distribution of medical devices and supplies within a health care setting. As members of the health care team, MDRs play a vital role providing support to patient care services in hospitals and clinical settings.
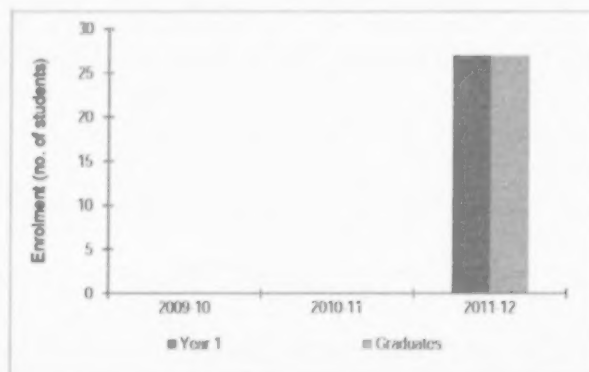
Occupational Health and Safety
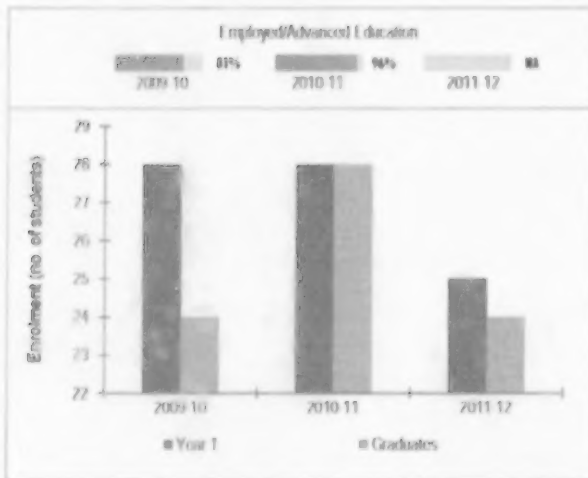
CE full-time certificate program

This program is designed to provide a fundamental understanding of occupational health and safety. The program addresses the role and responsibilities of an Occupational Health and Safety practitioner including risk management, hazard recognition, control, and prevention and safety management systems in the workplace, incorporating a multi-disciplinary approach in contributing to the development of a health and safety culture.

Power Engineering - 5th Class
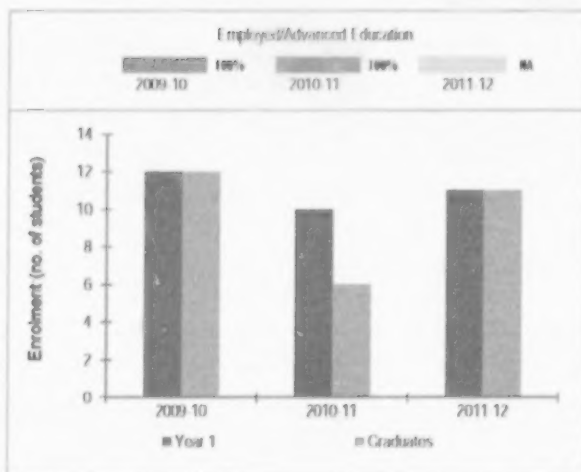
CE full-time certificate program

Students in this program acquire the critical employability skills to function competently, professionally, and ethically as a fifth class power engineer. Graduates have found employment in industrial plants, school divisions, and other commercial industrial or public buildings.

Professional Photography
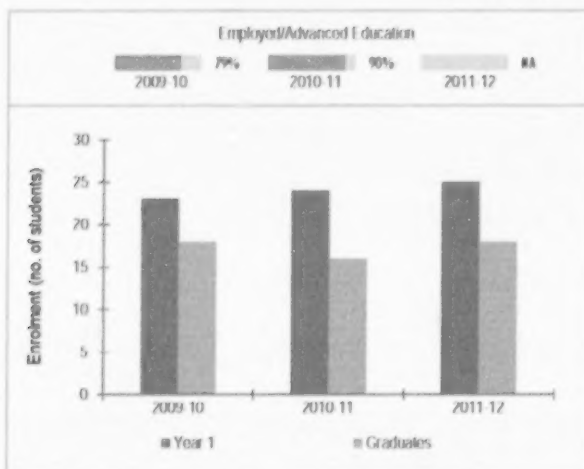
CE full-time certificate program

Students gain the knowledge and skills required to develop technical and creative aspects of digital imaging manipulation, lighting, SLR operation, exposure, composition, printing, editing, retouching and processing, as well as foundational business skills.

Railway Conductor

CE full-time certificate program

This program integrates knowledge in safety, business, communications and wellness with the management of trains, including switching and marshalling cars, transporting dangerous goods, performing inspections, copying authorities and keeping records – all within the context of the Canadian Rail Operating Rules and railways General Operating Instructions.

Employed/Advanced Education

2009-10	2010-11	2011-12
91%	96%	NA
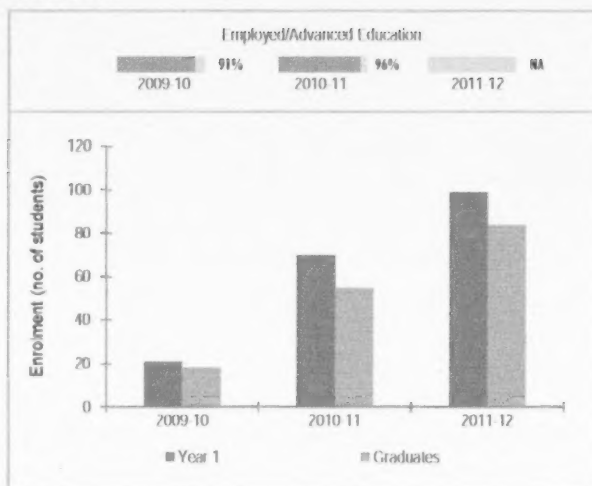
Recreational Facilitator for Older Adults

CE full-time certificate program

This program provides students with the knowledge, skills, attitude and field-based practical experience to work with older adults.

Employed/Advanced Education

2009-10	2010-11	2011-12
71%	95%	NA
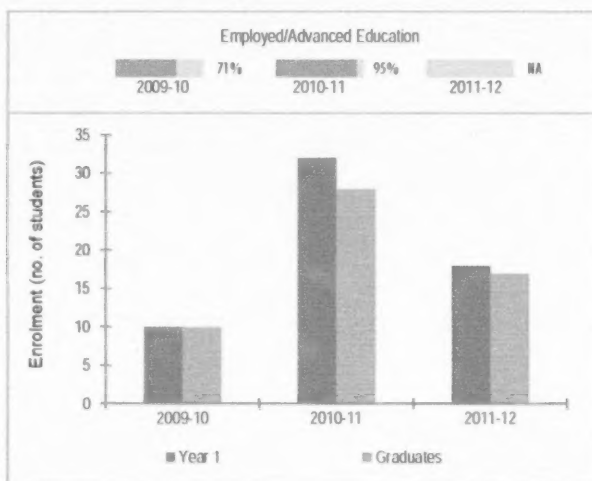
Residential Decorating Certificate Program

CE full-time certificate program

Students acquire the skills to successfully manage decorating projects to improve home spaces. They learn to apply design principles to enhance the function and quality of both interior and exterior living environments. Students gain the skills to analyze clients' decorating needs for development of furniture floor plans, product purchases and installation arrangements.

Employed/Advanced Education

2009-10	2010-11	2011-12
57%	93%	NA

70
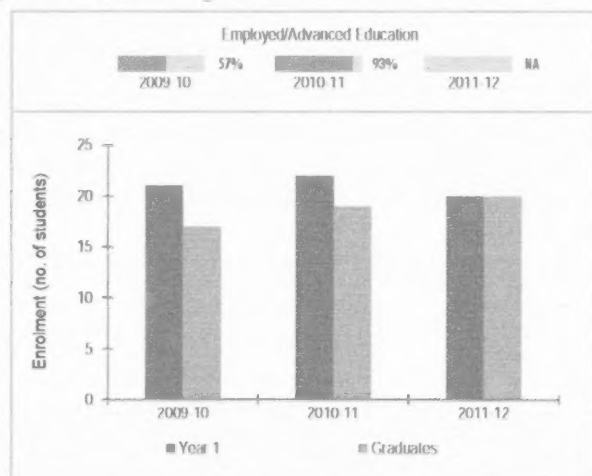
Regional Campuses

Department Highlights

The **Gimli Campus** ran the Child & Youth Care Certificate Program for the first time in St. Laurent. Some of the students continued on to the Diploma Program at the main campus.

A mature student high school diploma/Bookkeeping and Small Business Office Certificate opportunity ran, in partnership with Fieldstone Ventures and Sunrise School Division

A carpentry and an electrical pre-employment certificate program was run in partnership with Winnipeg River Learning Centre. An Applied Counselling Certificate program was offered in Pine Falls for the first time.

A second year of Computer Applications for Business ran in Peguis and Tannis Cochrane Cook won the Manitoba Hydro Spirit of the Earth Awards. She worked tirelessly in her community (Peguis First Nation) to set up a recycling program, along with many other environmental awareness activities.

Tannis Cochrane Cook won the
MB Hydro Spirit of the Earth Award

A Celebration Tea was organized for the Computer Applications for Business students. Staff from RRC and community sponsors spoke congratulatory words to students and each student received an RRC diploma frame. Students invited their family members and we had refreshments and cake for them after the program. Various items of students' work and projects were on display.

The Peguis Cabinetry building was renovated in order to accommodate the Carpentry program.

The Power-Up Computer Training for Women was organized and held in Peguis in partnership with Fieldstone Ventures.

The **Portage Campus** held a Grand Opening Ceremony & Open House on November 2, 2011. The event featured greetings from provincial, civic and First Nations leaders, as well as a traditional pipe ceremony, dancing and drumming.

Portage Campus' new home

New Programs delivered at the Portage Campus in 2011-12 included:

- Child & Youth Care Diploma (year 1)
- Administrative Assistant Certificate (revision of the Office Technician Certificate program)
- Health Unit Clerk Certificate
- Employability Skills Certificate Program (Contract training program with MB Employment, Portage la Prairie)

Portage Campus continued to provide customized course and workshops for local organizations and industries, including Swan Lake First Nation, Orion Security, Tiger Hills Community Resource Centre and Simplot.

Portage Campus continued to respond to Manitoba Family Services' province-wide training needs by delivering the Foundations in Disability and Community Support and Supervision in Human Service Settings courses in Brandon and Dauphin.

Portage and Steinbach campuses continued hosting and supporting Campus Manitoba sites.

The **Steinbach Campus** service area is still demonstrating strong interest in the early childhood educator program with 11 graduating from the workplace program and another 17 student continuing for 2012-13 in the Early Childhood Educator year 2.

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Steinbach continues to respond to Manitoba Family Services' province-wide training needs by delivering the Foundations in Disability and Community Support and Supervision in Human Service Settings courses to 51 students.

Steinbach has served as alternate training site for Water and Waste Water classes for 57 students who came from across Manitoba. Students were able to complete the training and follow up with the examination with Conservation & Water Stewardship within the one week training period.

Accessibility and cost shared has been achieved through partnering with the Winkler campus to deliver nursing pre-requisites such as Anatomy & Physiology, Nursing Micro Biology and Psychology thus positioning LPNs to take part in the BN programs slated for 2013 in Steinbach and 2015 for Winkler. Steinbach worked with University of Winnipeg to facilitate the delivery of the Nutrition for Health and Wellness class required for entrance into the BN.

In 2011-12 Steinbach campus attracted 139 students achieving our highest full-time program enrolment to date.

Extensive renovations were completed at the **Winkler Campus** in 2012 allowing for more student and instructor space as well as providing a more modern facility with health & safety upgrades. A Renovation Grand Opening & Open House was held on May 16th in Winkler where President Stephanie Forsyth and local dignitaries provided remarks and congratulations.

Winkler Campus' Renovation Grand Opening

Winkler Campus' Dental Assisting program received accreditation in November 2011 from the Commission on Dental Accreditation for a three year period ending in 2014.

Dual credit agreements for the Health Care Aide and Educational Assistant programs were renewed by the Red River Technical Vocational Area (representing 5 local school divisions).

Three Dental Assisting students and one instructor participated in a health and dental assistance trip to Guatemala in June 2012.

Keith Doerksen was asked to sit on an Advisory Committee for the Winkler Chamber of Commerce. •

Regional Campus Full-time Enrolment
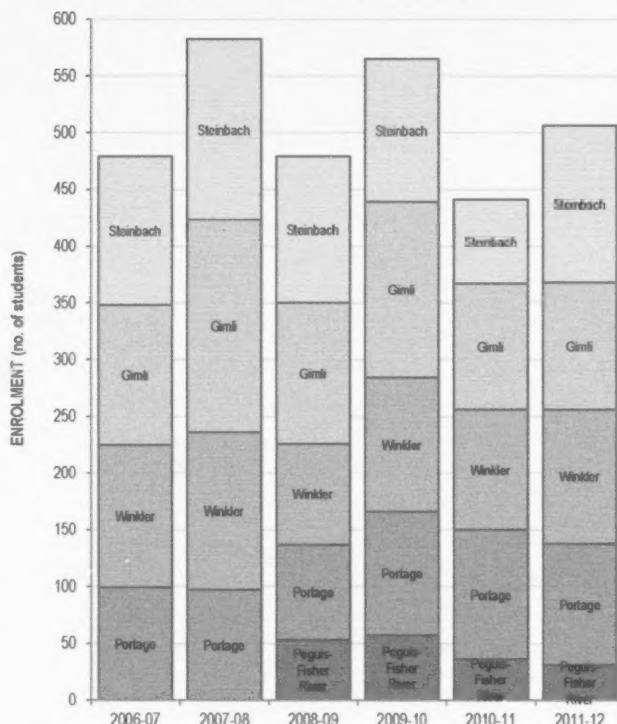
Note: Enrolment counts include Contract enrolments which vary greatly

Regional Campus Part-time Enrolment
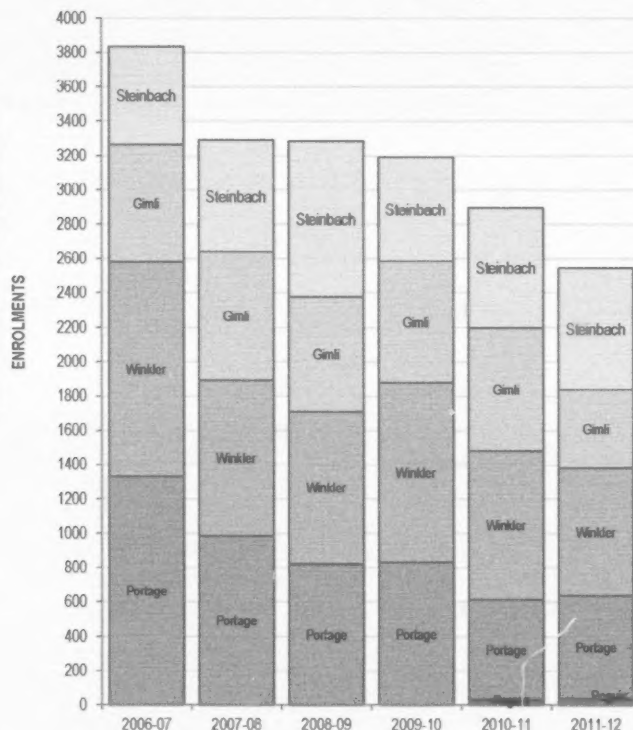
Note: Enrolment counts include Contract enrolments which vary greatly

Language Training Centre

Department Highlights

More than 1,200 students enrolled in adult EAL programs over the 2011-12 academic year at the Language Training Centre (LTC). Programs are delivered under a funding contribution from the Province of Manitoba through the Manitoba Immigration Integration Program.

Over 30 countries are represented at the LTC with students from China, Philippines, India, and African countries comprising the largest majorities. Most LTC students are highly educated and are looking to develop their English language proficiency with a view to finding employment at a level commensurate with their education and training.

In 2011-12, the LTC worked closely with the Manitoba Office of the Fairness Commissioner to develop and deliver a Canadian Communication for Internationally Educated Dentists Program in the fall term of 2011. Specialized language programs such as this and the Canadian Communication for Physicians Trained Abroad and Stage 1 of the Bridging Program for Internationally Educated Nurses are designed to prepare permanent residents to pursue their licensing and career goals.

The LTC continues to provide observation and practicum placements for students in training programs for Teaching English as a Second Language from the University of Manitoba, University of Winnipeg, Providence College and Briercrest College in Saskatchewan.

The Canadian English Language Benchmarks Assessment for Nurses (CELBAN) has solidified its place as one of only two English language proficiency assessment tools accepted by nursing regulators across Canada for internationally educated nurses seeking licensure.

In 2011, there were 574 administrations of CELBAN across Canada. The Centre for English Language Assessment Services, housed at the LTC, oversees the administration of CELBAN in eight sites in five provinces across Canada, including Manitoba, Saskatchewan, Alberta, British Columbia and Ontario.

A total of 664 applicants to RRC programs had English language assessments in 2011-12, an increase of 35.8% from 2010-11. This number included 439 international and immigrant students applying for career programs and 225 applicants for the Intensive English for International Students program.

For the third year in a row, students from the Language Training Centre were chosen to be part of the Winnipeg Folk Festival's Newcomers Outreach program. The twelve students participated in customized training at the LTC to prepare them to be part of the Festival's volunteer crews.

RRC's Language Training Centre is located in the VIA Rail Union Station

Staff Notable Achievements

Paige Sneesby, LTC instructor, was Conference Chair of the 2012 Provincial Teaching English to Adults in Manitobac(TEAM) Spring Conference.

Jon Bailey, LTC instructor, served for a third year as the president of TEAM, the professional association of adult EAL teachers, teacher training programs, funders and volunteers.

Shelley Bates, LTC Program Officer, received a 2012 RRC Bravo Hidden Hero Award.

Audrey Bonham, LTC Chair, received a 2012 RRC Bravo Leadership at All Levels Award.

Student Notable Achievements

Beretki Gabrehiwot, a student in the Intensive EAL program received the 2012 Margaret Pidlaski Memorial Scholarship Award through the Winnipeg Foundation. The Award provides a $10,000 scholarship so that recipients can continue their adult EAL training. The Scholarship is named after Margaret Pidlaski, who at the time of her death was the Director of Adult Language Training for the Province of Manitoba.

Robinson Joseph, a graduate of the Academic English Program for University and College Entrance, received the English Union Speaking Award in June 2012. The Award is granted through the College to a student who has excelled at learning English and using it in the community. •

English as an Additional Language (EAL) Programs
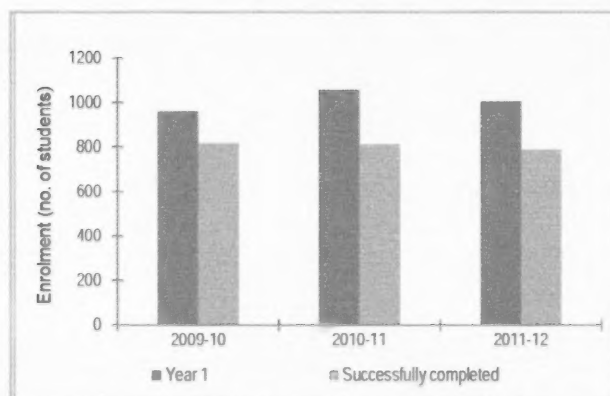
Certificate programs

The Language Training Centre offers full-time language programs with 25 hours of instruction per week. The intensive courses are interactive and include periodic excursions and the use of computer labs. Many EAL students have found that the English for Specific Purposes programs at the Language Training Centre have opened up employment opportunities for them. Others have gone on to continue their studies in college or university programs. Perhaps the most widespread benefit for all EAL students has been their increased ability to communicate effectively in the community.

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Apprenticeship

Apprenticeship Manitoba (AM) provides apprenticeship training and trades certification of more than 50 regulated trades under The Apprenticeship and Certification Act. AM registers and monitors apprenticeship agreements between apprentices and employers, and schedules technical training at designated training providers, including Red River College. The training follows standards for the trades developed and maintained by AM and approved by the Apprenticeship and Certification Board.

The skilled trades create the public and private infrastructure required to support a competitive knowledge based economy. Strong economic growth over the last decade and an aging "baby boomer" demographic has created an unprecedented demand for new skilled tradespersons.

Working in partnership with Apprenticeship Manitoba, Manitoba's colleges continue to address skilled trades labour shortages by increasing capacity and introducing innovative new delivery strategies.

As the largest provider of technical training for apprentices in Manitoba, RRC delivers more than 70% of all technical apprenticeship training offered each year and is a designated trainer for 32 trades.

Enrolment

RRC trained 3,408 apprentices in 2011-12, up 2.2% from the previous year. Those figures are nearly double the number trained ten years ago.

e-Apprenticeship

EADDI (E-Apprentice Delivery Development Initiative) is entering the final year of development for 18 apprenticeship levels and two related projects. Its goal is to offer online version of existing trades training as an alternative to current Winnipeg-based offerings. Two cohorts of Electrical apprentices are proceeding through the program. One long term benefit of the new e-apprentice materials will be added supports for traditional classroom delivery and opportunities for remedial work by apprentices needing to re-qualify missed course requirements. The College is now considering a new phase of EADDI development to leverage further the opportunities of online learning for Manitoba apprentices.

Nina Widner, the first female Bricklaying Apprentice

Apprenticeship Enrolment

Academic Year	Enrolment
2012/2013* (projected)	3,487
2011/2012	3,408
2010/2011	3,336
2009/2010	3,575
2008/2009	3,103
2007/2008	2,679
2006/2007	2,369
2005/2006	1,985
2004/2005	1,819
2003/2004	1,916
2002/2003	1,827
2001/2002	1,868
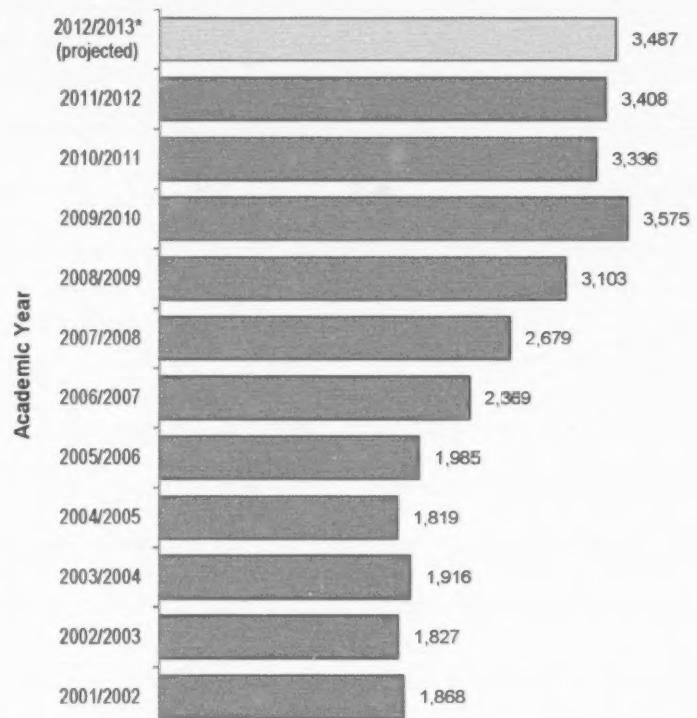
Enrolment by Program, 2011/2012
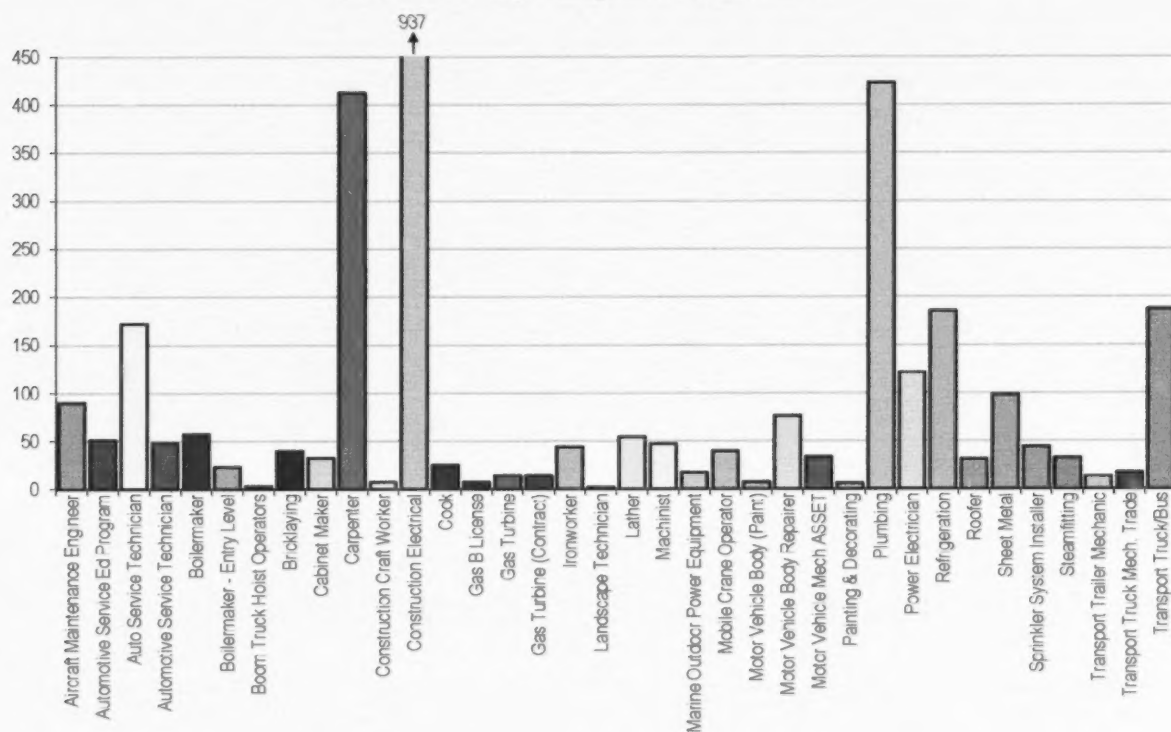
New Trades

New trades introduced in 2011/12, include:

- Construction Craft Worker
- Gasfitter
- Water and Wastewater Treatment Plant Operator
- Refrigeration and Air Conditioning Mechanic (Residential)
- Refrigeration and Air Conditioning Mechanic (Commercial)
- Diesel Engine Mechanic
- Railcar Technician

Apprenticeship training is expected to continue to grow as Manitoba responds to the skilled trades labour market needs. Additionally, the Government of Manitoba has set a goal of adding 75,000 new workers to the provincial workforce by 2020.

RRC's plans to build a new Skilled Trades & Technology Centre at the Notre Dame Campus – supported by a $60 million funding commitment from the provincial government – would allow for increased training capacity in the future. •

If you are interested in registering as an apprentice, contact:

Apprenticeship Manitoba
Manitoba Entrepreneurship, Training and Trade
1010 - 401 York Ave., Winnipeg, Manitoba R3C 0P8
Ph: (204) 945-3337 Fax: (204) 948-2539
Toll-Free: 1-877-978-7233 (1-877-97-TRADE)
www.manitoba.ca/tradecareers

Applied Research & Commercialization

Ray Hoemsen, Director
Room C506, Phone: 204-632-2523,
Email: rhoemsen@rrc.ca

Department Highlights

Applied research at Canadian colleges continues to grow – not only in scope and quality, but also in strengthening regional capacity to innovate and be more productive. Since its inception in 2004, Applied Research & Commercialization (AR&C) at Red River College (RRC) has served as one model for the adoption of such programs at colleges nationwide. In the past year, we have continued to evolve this model and expand our applied research portfolio.

Sustainable infrastructure continues to be a major focus. The College's Centre for Applied Research in Sustainable Infrastructure (CARSI) has hosted a number of cutting edge projects in conjunction with the Sustainable Infrastructure Technology Research Group (SITRG) and funding from the Natural Sciences and Engineering Research Council of Canada (NSERC).

To enhance awareness and connections among industry and within the College, we're continuing to develop and roll out such programs as the Sustainable Infrastructure and Transportation Cluster Map, the Inventory of College Applied Research Expertise, and our popular events and workshops series.

Internal research plays an integral role. Since 2004, AR&C has awarded over $400,000 to RRC staff, students and faculty for almost 60 projects through its College Applied Research Development Fund (CARD). In 2011, CARD awardees received $97,500, funding that will be used to carry out short-term projects, prepare industry-focused applied research proposals and assist with materials and equipment. The projects drew on a range of RRC expertise and included research in applied business, bio-fuel and mobile application development.

Building on the momentum of research with Toyota Prius plug-in hybrids, 2011-2012 saw RRC/AR&C and key partners furthering their commitment to electric vehicle initiatives. In 2011, RRC announced, along with the Province of Manitoba, Mitsubishi Heavy Industries, New Flyer Industries and Manitoba Hydro, the $3-million, three-year All-Electric Bus – the first of its kind in Canada. The bus debuted outside the Manitoba Legislative Building on June 1, 2012, with partners on hand to explain the technology behind a transit vehicle with zero emissions and no tail pipes. The event marked the beginning of the project's next phase, which includes on-road testing in Winnipeg over the next two years. RRC will make contributions through battery assembly, performance data analysis and the development of a charging station for the bus.

The Province also announced it would invest in the establishment of the Electric Vehicle Technology & Education Centre (EVTEC) for all-electric and plug-in hybrid electric vehicles and technologies located within RRC's Advanced Transportation and Energy Centre (ATEC). In Fall 2011, ATEC wrapped up a three-year project testing the effectiveness of an RRC-modified Toyota Prius plug-in hybrid in Manitoba's cold climate. A related one-year project involving cold-weather testing of an all-electric Mitsubishi iMiEV ended in Spring 2012. In the case of the Prius, researchers found RRC's modifications were critical to improving the car's performance.

Standing boldly at the Notre Dame Campus, RRC's parabolic solar-trough energy generator was the centrepiece of this year's SITRG activities. Installed and operational in July 2012, and made possible through a partnership between RRC, Manitoba Hydro, the University of Manitoba and NSERC, the solar trough tests the feasibility of using concentrated solar power in

Manitoba's harsh climate. With its ability to produce heat in below-freezing temperatures, the trough has the potential to be a viable technology for Manitoba, especially with regard to space-heating applications.

The past year also saw AR&C continue its work in improving energy efficiency in large buildings. In June 2012, the department completed air-leakage testing at 363 Broadway in Winnipeg. The 15-storey, 191,000-square-foot office building had recently undergone a $4-million facelift, with the twin goals of increasing energy efficiency and updating its appearance. With a lack of available data, SITRG sought to discover what impact the retrofit had on the building's air tightness – a factor that affects energy use, comfort and structural integrity. To expand on this work, AR&C announced in July 2012 it had received funding from Manitoba Hydro to perform air-leakage testing on 20 more commercial buildings throughout Manitoba.

In addition, AR&C completed installation of an energy-monitoring system on the Cornerstone Life Lease Estates building in northeast Winnipeg. The milestone marked the beginning of a yearlong project that will assess the building's energy performance in order to identify areas for potentially reducing its operating costs and limiting its environmental footprint. RRC's new greenhouse facility is also now home to research investigating thermal mass and the potential use of water for storing and releasing heat in greenhouses. This research aims to reduce energy consumption in cold climates such as Manitoba's.

AR&C also announced in 2011 that students could apply for and receive grants of up to $5,000 to conduct research on improving energy performance in buildings through the NSERC SITRG Innovation Awards. This year's awards supported six student projects that will serve as starting points for future research and networking opportunities within industry and RRC.

In 2012, RRC began its work with NRC-IRAP's Digital Technology Adoption Pilot Program (DTAPP), which seeks to provide Manitoba SMEs in the construction and manufacturing sectors with strategies for implementing digital technologies to improve productivity. In consultation with industry, AR&C is researching technologies and disseminating results through four main activities in 2012-2013, including: the creation of Technology Roadmap Search and Assessment reports and Digital Technology Strategy reports for construction and manufacturing; the provision of a digital technology speaker series and other events/workshops; the provision of digital

technology advisory support services for individual SMEs; and industry outreach and linkage facilitation.

AR&C continues to identify opportunities for international partnerships on leading edge, innovative projects. To enhance applied research and learning experiences for RRC students, faculty and staff, AR&C has expanded research partnerships in Brazil, Uruguay and Japan. Memorandums of understanding were signed with the Instituto Federal de Educação, Ciência e Tecnologia de São Paulo; the Pontifical Catholic University of Rio Grande do Sul; the Catholic University of Uruguay; and the Universidad ORT Uruguay. RRC also established research project and program partnerships with Japanese companies Neubrex and Mitsubishi Heavy Industries. •

Air Leakage Monitors

Air Leakage Testing of 363 Broadway Avenue

Co-operative Education

Red River College is committed to the philosophy and nature of co-operative education and has made the expansion of co-op programming a priority.

Co-operative education integrates related on-the-job experience with classroom theory by alternating terms of paid employment and academic study. Over the years, the College has introduced this proven system into an increasing number of programs. Co-operative education has been offered in three programs in the College's Hospitality department since the late 1970's. Starting in 1991, rapid growth has occurred in the number of programs offering a co-op mode of delivery.

The number of students enrolled in co-op programs was 1,223 in 2011-12. The total number of co-op programs stands at 23.

- ACCESS Civil Engineering Technology
- Architectural/Engineering Technology
- Building Design CAD Technology
- Business Information Technology
- Cabinetry & Woodworking Technology
- Chemical and Biosciences Technology
- Civil Engineering Technology
- Construction Management
- Culinary Arts
- Electrical Engineering Technology
- Electronic Engineering Technology
- Environmental Protection Technology
- Geomatics Technology
- Greenspace Management
- Hospitality & Tourism Management
- Hotel and Restaurant Management
- Instrumentation Engineering Technology
- Mechanical Engineering Technology
- Municipal Engineering Technology
- Professional Baking & Patisserie
- Structural Engineering Technology
- Technical Communications
- Tourism Management

Co-operative Education will continue to be considered as a delivery mode for new and existing programs where marketplace, students and the employing community find it a viable educational method. •

Co-operative Education Enrolment
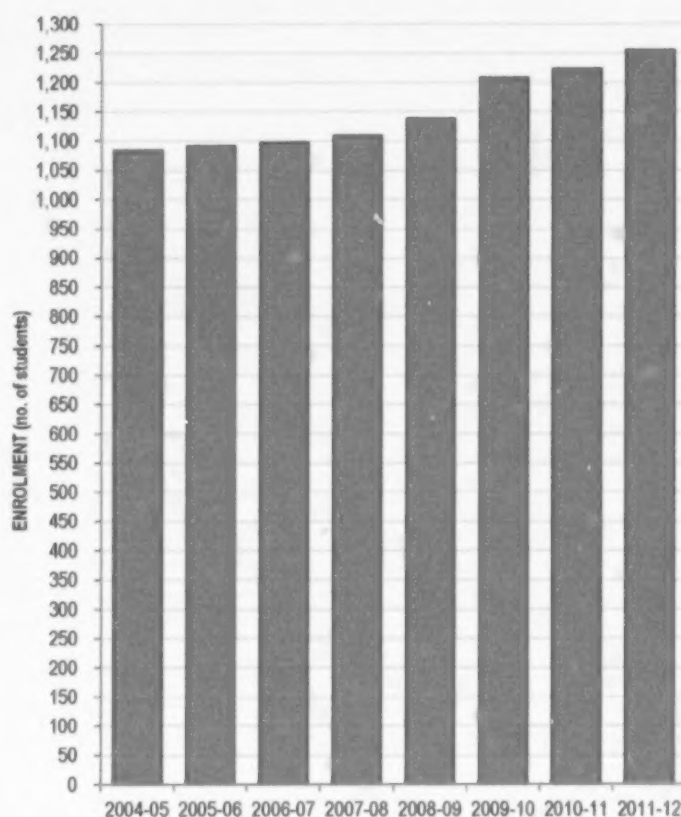
Number of Co-operative Education Programs
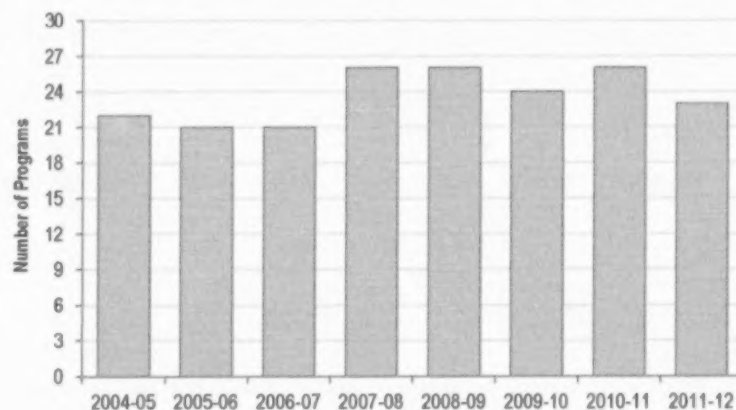
International Education

Department Highlights

In the past five years, the number of International Students has grown continuously. In 2011-12, Red River College has seen another 16% increase in the International Student population. There are 536 registered International Students – 202 students at the Language Training Centre and 334 students in the various academic programs, representing 42 different countries. The top source countries are China, India, South Korea, Jamaica and Vietnam.

Due to success in the Student Partner Program for students from colleges in India and China, Red River College's presence in these markets has started to become even stronger. The federal government, in partnership with the Association of Canadian Community Colleges, is continuing its plan to extend this program to Vietnam in the near future.

International Education participated in student fairs in India, China, Brazil, Colombia, Venezuela, Chile, South Korea, Japan, Vietnam and Taiwan. It also participated in the Educational Mission to India organized by the Manitoba Province. Red River College also hosted high-level institutional visits by delegations from China and Mozambique.

Approximately 38% of International Students who come to Red River College register in the English as an Additional Language (EAL) program at the Language Training Centre. However, most of them do have study plans to move into their respective academic programs after satisfying the language level requirement. Many of these International Students get employed within Manitoba and eventually migrate to Canada after graduation.

Some of the most popular academic programs of choice among International Students who study at Red River College are: Business Administration, Applied Accounting, Business Information Technology, International Business, Aircraft Maintenance Engineering, Technology Management, Electrical and Mechanical Engineering, Quality Assurance/Quality Control, Hospitality Management and Culinary Arts.

Red River College has had a longstanding relationship with Shenyang Institute of Engineering (SIE) in Shenyang, China. In 2012, this partnership celebrated its 25th anniversary. Over the years, RRC has exchanged staff and faculty and offered English language training on the SIE campus. RRC continues to develop joint programming with SIE in the areas of Electrical Engineering Technology, Power Engineering Technology and Hospitality Management. A total of 404 students have registered in the joint programs in China this past year. This is a 47% increase from the previous year.

Faculty from a variety of RRC Academic Departments went to Shenyang, China, and taught at Shenyang

Ding Tinxuan, President of Henan Business College with RRC President Stephanie Forsyth

Institute of Engineering (SIE) for two weeks to deliver some parts of the joint program this past year, including:

- Blair Mineault, Instructor, Hospitality and Tourism Management
- Jim Migel, Instructor, Electrical Engineering Technology
- Phil Klassen, Instructor, Electrical Engineering Technology
- David Kinasevych, Instructor, Power Engineering Technology
- Tim Farrell, Instructor, Power Engineering Technology

RRC entered into institutional partnership agreements in China with Shijiazhuang University of Economics (SUE), Qingdao Technical College (QTC) and Zhejiang Water Conservancy and Hydropower College (ZWCHC) this past year. The joint-program approach for SUE and ZWCHC requires their students to complete the Business English program with them before coming to take up the Accounting program at RRC. As for QTC, potential program areas for collaboration are the Early Childhood Education, Chemical and Bioscience Technology, Business Administration and student and instructor exchange programs. •

RRC enhances its partnership with Brazil

APPENDIX:
Program Highlights, 2011/2012

Program	1st Year Quota	Start Month	1st Year Enrolments	2nd Year Enrolments	3rd Year Enrolments	Total Enrolments	Female	Aboriginal	Persons with Disabilities	Graduates
School of Business & Applied Arts										
3D Computer Graphics	15	8	6	—	—	6	1	1	—	4
American Sign Language-English	16	9	12	11	6	29	29		1	4
Applied Accounting	136	8/1	119	—	—	119	63	9	2	71
Aviation Management	25	8	12	11	—	23	4	3	—	8
Business Administration	623	8/1	564	496	—	1,060	545	84	12	330
Business Administration Integrated	84	8	26	25	—	51	35	26	1	—
Business Information Technology	165	8/1	146	135	—	281	33	15	12	29
Commerce/Industry Sales & Marketing	35	8	31	—	—	31	9	—	1	26
Computer Analyst/Programmer	—	—	1	6	—	7	—	1	1	24
Creative Communications	75	8	74	71	—	145	83	8	2	69
Culinary Arts	70	8/1	73	49	—	122	48	12	—	40
Deaf Literacy Program	—	—	37	—	—	37	9	1	14	—
Deaf Studies	20	9	18	—	—	18	17	2	1	11
Digital Media Design	40	8	49	48	—	97	39	6	3	44
Graphic Design	50	8	52	53	—	105	64	3	—	49
Graphic Design - Advanced	20	8	19	—	—	19	11	—	—	16
Health Information Management	—	—	—	21	—	21	20	1	—	21
Hospitality & Tourism Management	85	8	78	—	—	78	56	7	1	—
Hotel and Restaurant Management	—	—	—	19	—	19	14	2	—	17
Tourism Management	—	—	—	11	—	11	10	2	1	15
Information Systems Technology	—	—	—	—	—	—	—	—	—	10
International Business	25	1	28	—	—	28	7	—	—	21
Introduction to Business Information Technology	66	8/1	44	—	—	44	9	6	3	20
Library and Information Technology	30	8	34	—	—	34	27	—	—	—
Professional Baking & Patisserie	14	8	19	—	—	19	18	1	—	10
Technical Communication	25	8	14	6	—	20	6	2	—	4
School Total	1,601	—	1,456	962	6	2,424	1,152	192	54	837

Program	1st Year Quota	Start Month	1st Year Enrollments	2nd Year Enrollments	3rd Year Enrollments	Total Enrollments	Female	Aboriginal	Persons with Disabilities	Graduates
School of Construction & Engineering Technologies										
Cabinetry & Woodworking - Certificate	---	8	20	---	---	20	4	7	---	13
Cabinetry & Woodworking Technology	40	8	16	13	---	29	6	5	---	9
Carpentry Five-Month Program	80	8/1	74	---	---	74	4	8	---	56
Civil Engineering Technology	200	8/1	198	---	---	198	34	12	3	---
Architectural Engineering Technology	---	---	---	21	18	39	5	1	---	17
Environmental Protection Technology	---	---	---	18	15	33	10	1	---	10
Geomatics Technology	---	---	---	26	25	51	2	3	1	20
Municipal Engineering Technology	---	---	---	43	37	80	14	3	---	31
Structural Engineering Technology	---	---	---	37	39	76	9	4	1	35
Building Design CAD Technology	---	---	---	24		24	5	---	1	21
Construction Management	24	8	28	15	14	57	3	2	1	---
Electrical Engineering Technology	144	8/1	151	33	43	227	19	9	1	38
Electronic Engineering Technology	---	---	---	32	18	50	1	---	---	17
Instrumentation Engineering Technology	---	---	---	18	16	32	---	---	1	13
Electrical/Electronic Engineering Technology Integrated	24	8	25	7	---	32	2	3	1	---
Electronic & Network Technician	32	8	27	---	---	27	1	2	1	20
Electrical Five-Month Program	96	8/1	91	---	---	91	5	4	1	80
Geographic Information Systems (GIS) Technology	24	8	17	---	---	17	8	---	1	13
Greenspace Management	27	8	25	15	17	57	16	2	1	13
Network Technology (CCNA) Certificate	18	8	18	---	---	18	1	1	1	8
Plumbing Five-Month Program	76	8/1	73	---	---	73	2	13	---	49
Refrigeration and Air Conditioning Technician	18	8	20	---	---	20	1	2	---	10
Wood Products Manufacturing - Diploma	---	---	---	---	4	4	1	---	---	4
School Total	798	---	783	300	246	1,329	153	82	15	477

Program	1st Year Quota	Start Month	1st Year Enrollments	2nd Year enrollments	3rd Year Enrollments	Total Enrollments	Female	Aboriginal	Persons with Disabilities	Graduates
School of Health Sciences & Community Services										
Animal Health Technology	30	8	32	20	---	62	50	2	1	20
Chemical & Biosciences Technology	45	8	25	27	---	52	32	3	4	20
Child and Youth Care	25	8	28	29	---	57	46	7	2	19
Dental Assisting - Level 2	50	8	52	---	---	52	50	6	---	51
Diploma Nursing (Accelerated)	---	---	---	83	---	83	70	5	3	89
Disability and Community Support	30	8	41	23	---	64	47	7	5	18
Early Childhood Education	60	8	76	54	---	130	117	13	6	43
Early Childhood Education - Workplace	50	9/2	51	52	---	103	95	10	---	45
Health Care Aide	120	9/2	112	---	---	112	92	5	---	102
Joint Baccalaureate Nursing	---	---	---	24	79	103	91	10	---	---
Medical Laboratory Sciences	36	8	38	37	---	75	55	4	1	35
Medical Radiologic Technology	40	8	39	35	---	74	61	1	---	39
Magnetic Resonance Imaging (MRI) and Spectroscopy	20	8/2	15	---	---	15	9	---	---	16
Nursing	225	8	231	176	---	407	356	48	---	---
Paramedicine - Primary Care Paramedic	40	8	41	---	---	41	12	3	---	34
Pharmaceutical Manufacturing	25	8	26	---	---	26	15	1	---	14
Quality Assurance/Quality Control (QA/QC) in the Pharmaceutical Industry	25	8	23	---	---	23	6	---	---	22
Radiation Therapy	7	9	11	---	---	11	9	2	---	11
Rehabilitation Assistant	---	8	21	---	---	21	16	2	---	16
School Total	828	---	962	560	79	1,501	1,219	129	22	594
School of Indigenous Education										
Aboriginal Language Specialist	20	8	11	7	---	18	13	14	---	7
Aboriginal Self-Government Administration	10	8	7	9	---	16	11	14	---	9
Academic Development Programs	---	---	350	---	---	350	187	22	7	---
Bindigen College Studies	60	8/1	46		---	46	28	36	---	10
Community Development/Economic Development (CD/DED)	25	8	15	8	---	23	17	6	---	8
Computer Applications for Business	20	8	13	15	---	28	22	22	---	3
Introduction to Business	---	---	103	---	---	103	58	12	1	14
Introduction to Trades	48	8/1	52	---	---	52	5	37	---	29
School Total	183	---	597	39	---	636	341	162	8	80

Program	1st Year Quota	Start Month	1st Year Enrolments	2nd Year enrolments	3rd Year Enrolment	Total Enrolments	Female	Aboriginal	Persons with Disabilities	Graduates
School of Learning Innovation										
Business/Technology Teacher Education	12	---	---	1	6	7	1	---	---	---
Business/Technology Teacher Education - After Degree	4	8	4	4	---	8	4	---	---	---
Industrial Arts/Technology Teacher Education	16	8	6	12	22	40	6	---	---	10
Industrial Arts/Technology Teacher Ed - After Degree	4	8	6	5	---	11	2	---	---	---
Technical Vocational Teacher Education	16	8	10	---	---	10	4	2	---	11
School Total	52	---	26	22	28	76	17	2		21
School of Transportation, Aviation and Manufacturing										
Aerospace Manufacturing	32	9/1	31	---	---	31	3	1	---	26
Aircraft Maintenance Engineer	48	8/10/1	61	---	---	61	3	---	---	38
Automotive Service Ed Program	---	---	51	---	---	51	---	1	---	50
Automotive Technician - Certificate	75	9	77	---	---	77	4	9	---	56
Automotive Technician - Diploma	24	9	20	---	---	20	1	2	---	14
Collision Refinishing	10	10	9	---	---	9	2	1	1	6
Collision Repair and Refinishing	30	9	32	---	---	32	2	3	1	21
Heavy Duty Equipment Mechanic	48	9	48	---	---	48	2	2	---	26
Introduction to Aircraft Maintenance Engineer	16	1	10	---	---	10	2	---	---	---
Manufacturing CAD	15	8	16	---	---	16	3	1	---	12
Manufacturing Technician	16	8	11	10		21	1	5	1	9
Mechanical Engineering Technology	52	8	52	41	24	117	10	4	1	21
Outdoor Power Equipment Technician	14	9	13	---	---	13	---	---	1	11
Power Engineering Technology	25	8	26	14	---	40	---	2	---	11
Precision Metal Machining	16	8	5	---	---	5	---	---	---	4
Technology Management	25	8	8	---	---	8	2	---	---	8
Welding	36	8/11	35	---	---	35	1	4	1	30
School Total	482	---	505	65	24	594	36	35	6	343
GRAND TOTAL	3,944	---	4,229	1,948	383	6,560	2,918	602	97	2,352

Program	1st Year Quota	Start Month	1st Year Enrolments	2nd Year enrolments	3rd Year Enrolments	Total Enrolments	Female	Aboriginal	Persons with Disabilities	Graduates
School of Continuing Education										
Administrative Assistant	50	10/2	46	---	---	46	42	4	---	51
Applied Counselling	56	8/11	50	---	---	50	34	5	1	42
Educational Assistant	60	8/11	57	---	---	57	45	7	---	77
Health Unit Clerk	28	8/2	28	---	---	28	27	1	---	24
Legal Administrative Assistant	25	7	27	---	---	27	24	3	1	14
Medical Deivice Reprocessing	25	1	27	---	---	27	13	---	---	27
Occupational Health & Safety	28	10	25	---	---	25	8	3	---	24
Power Engineering - 5th Class	12	1	11	---	---	11	---	---	---	11
Professional Photography	24	8	25	---	---	25	20	8	1	18
Railway Conductor	120	9/1/5	99	---	---	99	7	9	1	84
Recreational Facilitator for Older Adults	21	9	18	---	---	18	12	---	---	17
Residential Decorating Certificate Program	25	1	20	---	---	20	20	4	---	20
School Total	**474**	---	**433**	---	---	**433**	**252**	**44**	**4**	**409**